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No. 6] NEW DELHI, SATURDAY, FEBRUARY 8, 1992 (MAGHA 19, 1913)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 8th February 1992

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The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office), "NIZAM PALACE" 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

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पेटेंट कार्यालय

एकसूत्र तथा अभिकल्प

कलकत्ता, दिनांक 8 फरवरी 1992

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रवर्णित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट
तीसरा तल, लोअर परले (पश्चिम),
बम्बई-400013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमन तथा
दिव एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
61, बालाजह रोड,
मद्रास-600002

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु, राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप
मिनिकाय तथा एमिनिविदी द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय)
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड
कलकत्ता-700020

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनायें, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपर्युक्त कार्यालय में ही प्राप्त किए जायेंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपर्युक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपर्युक्त कार्यालय अवस्थित है; उक्त स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चेक द्वारा की जा सकती है ।

THE PATENT OFFICE

“NIZAM PALACE”, 2ND, M.S.O. BUILDING
234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-700020

CORRIGENDUM

In the Gazette of India Part III, Section 2, dated the 10th August 1991, Page-49, Column-1, under heading “Cessation” of Patents.

Delete Patent No. 153165.

THE PATENT OFFICE

Calcutta, the 8th February 1992

APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20

The dates shown in the crescent brackets are the dates
claimed under section 135, of the Patents Act 1970.

The 26th December 1991

949/Cal/91 SAHDEO PRASAD SINGH AN IMPROVED
PWM INVERTER BASED ON A NEW MI-
CROPROCESSOR BASED SINUSOIDAL
PULSE WIDTH MODULATION TECHNIQUE.

950/Cal/91 SAHDEO PRASAD SINGH. LOCAL LINE
COMMUTATED INVERTER-AN IMPROVED
INVERTER SYSTEM USING LINE COMMU-
TATION AND GIVING SINUSOIDAL OUT-
PUT VOLTAGE.

951/Cal/91 BFTZ INTERNATIONAL INC., METHODS
FOR DEWATERING COAL AND MINERAL
CONCENTRATES. CONVENTION DATE
13th May, 1991, No. 2,042,481, CANADA.

952/Cal/91 LENZING AKTIENGESFELSCHAFT.
METHOD FOR THE MANUFACTURE OF
CELLULOSIC MOULDINGS.

The 27th December 1991

953/Cal/91 PANKAJ KUMAR MITRA. A PRIVATE,
COMBINED VOICE AND DATA TELECOM-
MUNICATION SYSTEM SUITABLE FOR
PERFORMING BOTH VOICE AND DATA
COMMUNICATIONS OVER THE SAME
LINES.

954/Cal/91 PORCHST AKTIENGESFELSCHAFT. PRO-
CESS FOR THE PREPARATION OF o-NIT-
TROPHENETOLE.

955/Cal/91 ATLAS COPCO TUNNELING AND MIN-
ING AB METHOD OF MANUFACTURING
A ROCK BOLT.

956/Cal/91 BHARTIA ELECTRIC STEEL COMPANY
LIMITED. NOVEL SPIE STEERING AR-
RANGEMENT FOR WAGON ROGERS.

967/Cal/91 VORSTALPINE INDUSTRIE-ANLAGENBETRIEB
GESELLSCHAFT MBH HOT DUST RECY-
CLING PROCESS AND APPARATUS.

The 30th December 1991

- 958/Cal/91 RICHTER GEDEON VEGYESZETI GYAR RT. NOVEL 14-(N-SUBSTITUTED AMINO-METHYL) EBURNANE DERIVATIVES, PROCESS FOR THEIR PREPARATION AND COMPOSITIONS CONTAINING THEM.

The 01st January 1992

- 01/Cal/92 PECHINEY ELECTROMETALLURGIE. PROCESS FOR DIRECT NITRIDING OF METALS OF LOW MELTING POINT.
- 02/Cal/92 ETHICON, INC., PULL-THROUGH CIRCULAR ANASTOMOSIS INSTRUMENTAL STAPLER WITH ABSORBABLE FASTENER MEANS.
- 03/Cal/92 MITSUI TOATSU CHEMICALS INCORPORATED. PROCESS OF PRODUCING A RUBBER MODIFIED STYRENE COPOLYMER. Divisional to application No. 626/Cal/88 dt. 28-7-1988.
- 04/Cal/92 BTR PLC. VALVE DISC AND DRIVE SHAFT ASSEMBLY. CONVENTION DATE 04th January, 1991. No. 9100107.3 U.K.
- 05/Cal/92 BTR PLC. METHOD OF ATTACHING A VALVE DISC TO A DRIVE SHAFT. CONVENTION DATE 04th January 1991. No. 9100109.9. U.K.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, 3rd FLOOR, SUN MILL COMPOUND, LOWER PAREL (W), BOMBAY-400013.

The 4th November 1991

- 336/BOM/91 Raghuvir Singh Hada, Floor cleaning powder.
- 337/BOM/91 Thermax Ltd., A method of manufacturing macro porous anion exchange resins.

The 6th November 1991

- 338/BOM/91 Prabhakar Ganesh Bhide. Automatic Fuel Delivery Takeover System.

The 7th November 1991

- 339/BOM/91 Sharatchandra Dattatraya Tase, Domestic Kitchen-ware cleaner.

The 15th November 1991

- 340/BOM/91 Mahangare Ulhas Ramchandra. Sliding and holding assembly for power hacksaw frame useful in the minor power hacksaw machine.
- 341/BOM/91 Uppala Sridhararao. Mechanism for continuous conversion of reciprocatory motion to rotary motion and vice versa as applied to heat engines compressors and allied equipment while using pairs of piston cylinder in opposition.
- 342/BOM/91 Mohsin Ismailbhai Mansuri. Horizontally splittable universal pipe socket T-coupling for different sized/weighted soft faced hammer/mallet heads and handle therefor.

The 19th November 1991

- 343/Bom/1991 Thermax Ltd. A furnace/boiler/combustor

The 20th November 1991

- 344/Bom/1991 Mipak Plastics Pvt. Ltd. Improvements in or relating to moulded plastic bottles.
- 345/Bom/1991 Hindustan Lever Ltd. UK. Filed 20-11-1990. Detergent compositions.

The 22nd November 1991

- 346/Bom/1991 Hindustan Lever Ltd. Compositions.
- 347/Bom/1991 Hindustan Lever Ltd. Synergistic compositions.

- 348/Bom/1991 DART Consultants Pvt. Ltd. Improved device for fusing press to optimise energy consumption and increase productivity.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH
61, WALLAJAH ROAD, MADRAS-600 002

The 3rd December 1991

- 885/MAS/91 Girivas Viswanath Shet. An invention which is one which keeps away evil spirits by witchcrafts from human beings both from the point of view of nimes & body.
- 886/MAS/91 Aran Fire & Safety (UK) Limited. Improvements in or relating to safety helmets. December 4, 1990; Great Britain).
- 887/MAS/91 Mars Incorporated. Coin guiding device. (December 4, 1990; United Kingdom).
- 888/MAS/91 Union Oil Company of California. Method for selectively reducing subterranean water permeability.
- 889/MAS/91 Indian Space Research Organisation. A process of galvanic black anodizing on magnesium-lithium alloy substrates.
- 890/MAS/91 Indian Space Research Organisation. An improved process of gold plating on substrates of magnesium alloys.

The 4th December 1991

- 891/MAS/91 Astra Research Centre India. New recombinant plasmids.
- 892/MAS/91 Henkel Kommanditgesellschaft auf Aktien. Mixtures of fatty alkyl lower alkyl esters having improved low-temperature stability.
- 893/MAS/91 Mars Incorporated. Coin validators. (December 7, 1990; United Kingdom).
- 894/MAS/91 Mars Incorporated. Money Validators. (December 7, 1990; United Kingdom).

The 5th December 1991

- 895/MAS/91 TI Diamond Chain Limited. Roller chain with hard chrome plated pins and its manufacture.
- 896/MAS/91 Ninan Sajeeth Philip Vadakkeparampil. A Universal computer virus vaccine.
- 897/MAS/91 E.J. Brooks Company. Improved rotatable seal.
- 898/MAS/91 The South India Textile Research Association. "Acid treatment plant for treating top roller cots" to improve the quality of Indian yarns.

The 6th December 1991

- 899/MAS/91 Astra Research Centre India. A method for preparing a coated matrix.
- 900/MAS/91 Astra Research Centre India. Diagnosis of plasmodial infections.
- 901/MAS/91 Merlin Gerin. Extended range neutron detection device for monitoring and control of nuclear reactors.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-110005

The 28th October 1991

- 1037/Del/91 Ram Prasad, "A new double/single distilled water plant fully automatic without automation.
- 1038/Del/91 The B.F. Goodrich Co., "Improved vinyl halide aqueous polymerization dispersant system".

1039/Del/91 Braunschweigische Maschinenbauanstalt AG., "Continuously working centrifuge for spinning off sugar massecuites".

The 29th October 1991

1040/Del/91 Council of Scientific & Industrial Research, "An improved process for the preparation of zinc & copper zinc alloy matrices having improved corrosion, resistance properties".

1041/Del/91 Council of Scientific & Industrial Research, "An improved process for the production of glucoamylase enzyme".

1042/Del/91 Council of Scientific & Industrial Research, "A process for the preparation of crystalline vinyl aromatic polymers having a predominantly syndiotactic structure".

1043/Del/91 Council of Scientific & Industrial Research, "A process for the synthesis of Novel glycopeptide N-acetyl-normuramyl-L-N-methylvalyl-D isoglutamine".

1044/Del/91 Arbed S.A., "Top lowering refining lance".

1045/Del/91 Castolin S.A., "Process for the production of layers with a high bonding strength".

The 30th October 1991

1046/Del/91 General Electric Co., "A starting aid for an electrodeless high intensity discharge lamp".

1047/Del/91 The Procter & Gamble Co., "Process for agglomerating aluminosilicate or layered silicate detergent builders".

1048/Del/91 The Procter & Gamble Co., "Sanitary napkin having components capable of separation in use".

1049/Del/91 The Procter & Gamble Co., "Cosmetic composition".

1050/Del/91 Westerwaelder Fachwerk Gerhard GMBH, "Arrangement for securing a unit load".

1051/Del/91 Westerwaelder Eisenwerk Gerhard GMBH, "Unit load".

1052/Del/91 Solvay (Societe Anonyme), "Catalytic solid usable for the stereospecific polymerisation of alpha-olefins, process for preparing it and process for polymerising alpha-olefins in its presence".

The 31st October 1991

1053/Del/91 The Procter & Gamble Co., "Fibrous superabsorbent core having integrally attached hydrophobic facing layer".

1054/Del/91 Mahendra Balraj Mediratta, "Process of liquid gasket (gasket in paste liquid form & product thereof)".

1055/Del/91 Imperial Chemical Industries PLE, "Reactive dyes". (Convention date 16th November 90) (U.K.).

The 31st October 1991

1056/Del/91 Colgate-Palmolive Co., "Concentrated liquid detergent composition containing alkyl benzene sulfonate and magnesium".

1057/Del/91 Colgate-Palmolive Co., "Process for producing concentrated liquid detergents containing magnesium alkyl-benzene sulfonate and alkanolamide".

1058/Del/91 Arvind Kumar, "Process to manufacture some medicinal articles for mouth-piece and ear-piece of the telephone's receiver to make them free from some hazardous ore pharyngeal. Ear and other air born diseases or/and prevent to becoming a harbour of these diseases".

The 1st November 1991

1059/Del/91 Sidwal Refrigeration Industries Pvt. Ltd., "An air conditioning unit".

1060/Del/91 Purshotam Khanna, "Multiple bridge system for non-stop rapid transport movement on road crossing for energy conservation and pollution control".

1061/Del/91 Purshotam Khanna, "Electricity generation system through running trains".

1062/Del/91 Castolin S.A., "Multi-wire arc spray gun for wire spraying".

1063/Del/91 Castolin S.A., "Process and apparatus for the production of protective layers".

1064/Del/91 The Lubrizol Corporation, "Composition and method relating to diesel powered vehicles".

The 4th November 1991

1065/Del/91 The Procter & Gamble Co., "Improving the color of surfactant agglomerates by admixing a solid bleaching agent".

1066/Del/91 Nirankar Tyagi, "2500KN, 2000 brick/hour capacity, hydro-mechanical press for automatic/mechanised manufacture of sand-lime of flyash-sand-lime bricks".

1067/Del/91 James H. Martin, "Adjustable dose dispenser".

1068/Del/91 Concentric Pumps Ltd., "Gerotor pumps". (Convention date 10th November 90) (U.K.).
6th November 1991

1069/Del/91 Er. Vishwanath, "V. N. Hydro gravitational power chakky".

1070/Del/91 Societe Electromecanique Du Nivernais Seln, "Centrifugal motor-driven pump".

1071/Del/91 Rohm & Haas Co., "Acidic catalyst for condensation reactions".

1072/Del/91 Interlego A.G., "A toy building set".

1073/Del/91 Interlego A.G., "A wheel for a toy building set".

1074/Del/91 Interlego A.G., "A screw for a toy building set".

1075/Del/91 Toyo Engineering Corporation, "Reactor".

The 7th November 1991

1076/Del/91 Suresh Sethi, "Modified head lights for automobiles with convex reflectors".

1077/Del/91 Richter Gedeon Vegyeszeti Gyar Rt., "Process for preparing 1- [2-(5-dimethylaminomethyl-2-furyl methyl-thio ethyl)] -amino -1- methylamino-2-nitroethylene".

1078/Del/91 Motorola, Inc., "A network of trunked communication systems for supporting subscriber units roaming from system to system". [Divisional date 19th December 1988].

The 8th November 1991

1079/Del/91 The Procter & Gamble Co., "Syndet bar with long chain alkyl sulfates for improved processability and bar characteristics".

1080/Del/91 Carol Pichette, "An anchoring plate destined to retain a pair of panels and a wall structure". [Divisional date 6th June 1988].

1081/Del/91 Rohm & Haas Co., "Propanil dispersible granule formulation".

Alternation of date Under Section-16

170079
(193/Del/88) Ante dated to September 17, 1985.
170080
(415/Del/89) Ante dated to July 28, 1986.
170090
(106/Cal/90) Ante dated to June 18, 1987.
170108
(629/Del/87) Ante dated to January 8, 1985.
170109
(912/Del/87) Ante dated to December 12, 1984.
170110
(1121/Del/88) Ante dated to April 29, 1986.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप हैं।”

नीचे सूचीगत विनिर्देशों की सीमित संख्याक मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है (अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश को आपूर्ति हेतु मांग-पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियां की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार, जिससे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अवायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जाड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl.: 35E.

170071

Int. Cl.: C04B 35/02.

PROCESS OF FORMING A REFRACTORY MASS ON A SURFACE.

Applicant: GLAVERBEL, a Belgian company, of Chaussée de La Hulpe 166, B-1170 Bruxelles, Belgium.

Inventors: PIERRE ROBYN, LEON-CHUKUOUE MOTIET & PIERRE DESCHIEPPER.

Application for the Patent No. 1002/DEL/85 filed on 28th November, 1985.

Convention date 26th January, 1985/8502008/U.K.

Appropriate office for opposition proceedings (Rule 4 Patent Rule 1972) Patent Office Branch, New Delhi-110005.

17 Claims

A process of forming a refractory mass on a surface, which process comprises spraying against that surface a mixture of refractory particles of the kind such as herein described and oxidisable particles of the kind such as herein described which react exothermically with oxygen to generate sufficient heat to soften or melt at least the surfaces of the refractory particles and so bring about formation of said refractory mass, characterised in that the structure of the particles which are sprayed in the mixture is such that the mean of the respective meshes through which the 80% and 20% grain sizes as herein defined of the refractory particles pass is greater than the mean of the respective meshes through which 80% and 80% grain sizes as herein defined of the oxidisable particles pass and that the size range spread factor (as herein defined) of the refractory particles is at least 102.

(Complete Specification-16 pages

Drawing-one sheet)

Ind. Cl.: 32 B.

170072

Int. Cl.: B01J 38/06, C01B 3/58.

APPARATUS FOR CONDUCTING ENDOTHERMIC CATALYTIC REACTIONS SUCH AS STEAM REFORMING HYDROCARBONS HAVING A BOILING POINT UNDER 220°C TO PRODUCE CARBON OXIDES AND HYDROGEN AND THE LIKE.

Applicant: IMPERIAL CHEMICAL INDUSTRIES PLC, a British company of Imperial Chemical House, Millbank, London SW1P 3JF, England.

Inventors: SYDNEY PERCY SMITH ANDREW, RALPH JONES DOY & ANTONY PETER JOHN LIMBACH.

Application for Patent No. 151 DEL 86 filed on 24 Feb 1986.

Convention dates 05 MAR 1985, 25 JUL 1985 21 AUG 1985, 21 AUG 1985/8505684, 8518824, 8520890, 8520891/U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

Apparatus for conducting an endothermic catalytic reactions such as steam reforming hydrocarbons having a boiling point under 220°C to produce a gas containing carbon oxides and hydrogen, and the like, comprising.

(a) a tubular reactor having

(i) a first tube, blind at one end, provided with an inlet at the other end,

(ii) a second tube disposed within, and extending along, the first tube,

thereby providing a space between the first and second tubes for receipt of a catalyst, the interior of said second tube communicating with the space between said first and second tubes at the blind end of said first tube, and said second tube having an outlet at the inlet end of said first tube, and

(b) means for supplying a heating fluid to the external surface of the first tube, characterised in that the second tube is provided internally, or externally, or both, with a layer of thermal insulation of the kind as herein described.

(Complete specification 25 pages Drawing sheets 7)

Ind. Cl. : 32F₂(*)

170073

Int. Cl.⁴: C07C 103/30.

PROCESS FOR THE PRODUCTION OF N-HIGHER ALK(EN)YL NEOALKANOMIDE.

Applicant: COLGATE-PALMOLIVE COMPANY, of 300 Park Avenue, New York, New York 10022, United States of America, a corporation organised under the laws of the state of Delaware, U.S.A.

Inventors: ROBERT JOHN STELTENKAMP & MICHAEL ARMAND CAMARA.

Application for patent No. 246 DEL 86 file on 17 MAR 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A process for the production of N-higher alk(en)yl neoalkanoamide which comprises reacting a higher alk(en)yl amine preferably having 8 to 2 carbon atoms with neoalkanoic acid of 5 to 16 carbon atoms at an elevated temperature of from 180°C to 320°C under an inert gas or nitrogen atmosphere or under vacuum, and separating in any known manner, the resultant product from impurities, byproducts and unreacted amine and neoalkanoic acid.

(Complete specification 30 pages. Drawing sheets 4)

Ind. Cl. : 144E³

170074

Int. Cl.⁴: C09D 5/14.

AN ANTI-FOULING MARINE PAINT AND A PROCESS FOR PREPARING THE SAME.

Applicant: INTERNATIONAL PAINT PUBLIC LIMITED COMPANY, A British Company, of 18 Hanover Square, London W1A 2BB, United Kingdom, Manufacturers.

Inventors: KEVIN PROUDLOCK & SIMON PHILIP JOHN DENNINGTON.

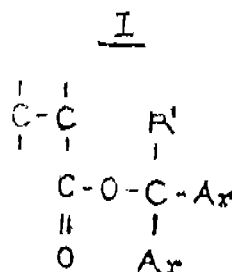
Application for Patent No. 361 DEL 86 filed on 23 APR 1986.

Convention date 14 May 1985/8512212/U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

20 Claims

An anti-fouling marine paint comprising a pigment of the kind such as herein described having a pigment volume concentration of 25 to 50% in the paint; a marine biocide of the kind such as herein described, which may or may not be identical to the pigment, in an amount up to 25% of said pigment; and balance a film-forming binder which is a hydrolysable polymer containing at least 20 mole percent of polymerised units of the formula I shown in the accompanying drawings,



wherein each Ar independently is an aryl group or at least one Ar is substituted by one or two electron releasing groups and R' is a hydrogen atom or an alkyl or aryl group, the balance being an ethylenically unsaturated comonomer such as herein described.

(Complete specification 19 pages.

Drawing sheet 1)

Ind. Cl. : 128 G.

170075

Int. Cl.⁴: A61M 5/00.

A DISPOSABLE ASSEMBLY COMPRISING A HYPODERMIC NEEDLE OR SIMILAR HOLLOW CLINICAL SKIN PUNCTURING INSTRUMENT.

Applicant: NATIONAL RESEARCH DEVELOPMENT CORPORATION a British body corporate established by statute, of 101 Newington Causeway, London SE1 6BU, England.

Inventors: PHILLIP OWEN BYRNE, PENELOPE ROSEMARY SISSON & HARRY RAMOND INGHAM.

Application for Patent No. 653 DEL 86 filed on 21 JUL 1986.

Convention date 29 JUL/8519049/U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A disposable assembly comprising a hollow clinical skin-puncturing means such as a hypodermic needle a sheath surrounding a support to which said skin-puncturing means is attached, said sheath and support being slidably connected

by one or more linear or spiral grooves located in said sheath or support for engagement with one or more complementary projections located on said sheath or support, said grooves and projections enabling movement of said sheath relative to said support between a first position in which the skin-puncturing means is exposed for normal use and a second position wherein said skin-puncturing means is enclosed by the sheath, locking means being provided on said sheath and said support and located thereon for irreversible engagement when said sheath and said support are in said second position.

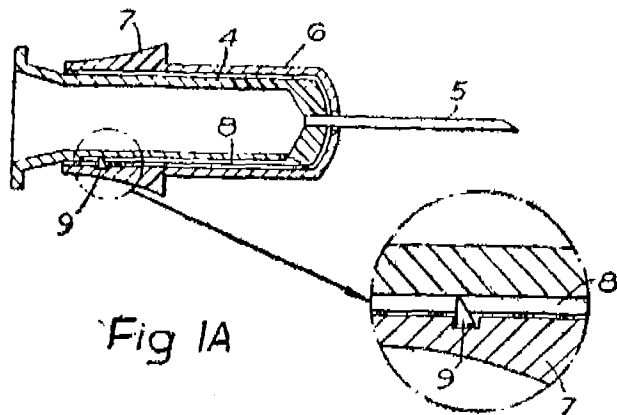


Fig 1A

(Complete specification 9 pages.

Drawing sheets 3)

Ind. Cl.: 39 K.

170076

Int. Cl.: C01B 21/36.

A METHOD AND AN APPARATUS FOR THE PRODUCTION OF NITROGEN DIOXIDE (NO_2) FROM NITRIC OXIDE (NO) CONTAINING COMBUSTION EXHAUST GASES.

Applicant & Inventor: DALE GORDON JONES, a U.S. citizen, of 2420 East Hillcrest Avenue, Visalia, California 93277, United States of America.

Application for Patent No. 963 DEL 86 filed on 31 OCT 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

22 Claims

A method for the production of nitrogen dioxide (NO_2) from nitric oxide (NO) containing combustion exhaust gases comprising the steps of contacting said NO containing gas stream with an injection fluid, the injection fluid comprising mixture of oxygen and a peroxy initiator as herein described other than hydrogen or hydrogen peroxide for converting said nitric oxide (NO) to nitrogen dioxide (NO_2) in a resulting gas stream; and

removing in a manner as herein described said nitrogen dioxide from said resulting gas stream.

An apparatus for the production of nitrogen dioxide (NO_2) from nitric oxide (NO) containing combustion exhaust gases by a process as claimed in the preceding claims, characterised in that it comprises:

(a) an NO to NO_2 conversion section comprising:

(i) a contacting section;

(i) means for introducing a NO containing gas stream into the contacting section; and

(iii) means for introducing an injection fluid comprising oxygen and a peroxy initiator other than hydrogen or hydrogen peroxide into the gas contacting section for contacting the NO containing gas stream with the peroxy initiator and oxygen for converting NO to NO_2 in a resulting gas stream oxidizing the contacting section through an outlet; and

(b) an absorption section (25) comprising:

(i) means for receiving the resulting gas stream as it exits the NO to NO_2 conversion section; and

(ii) means in said receiving means for introducing a substantially dry particulate sorbent into the resulting gas stream for sorbing nitrogen dioxide therefrom.

(Complete specification 47 pages.

Drawing sheets 6)

Ind. Cl.: 80 J K (vi)

170077

Int. Cl.: E21 B 43/08, G01 F 15/12.

BORE SCREEN FOR USE IN FILTERING FLUIDS.

Applicant: LOADARM AUSTRALIA PTY. LIMITED, AN AUSTRALIAN COMPANY OF 88-89 TASMAN STREET, KURNELL, NEW SOUTH WALES 2231, AUSTRALIA.

Inventor: ALEXANDER TEYS MCKENZIE.

VAUGHAN DOBBYNS.

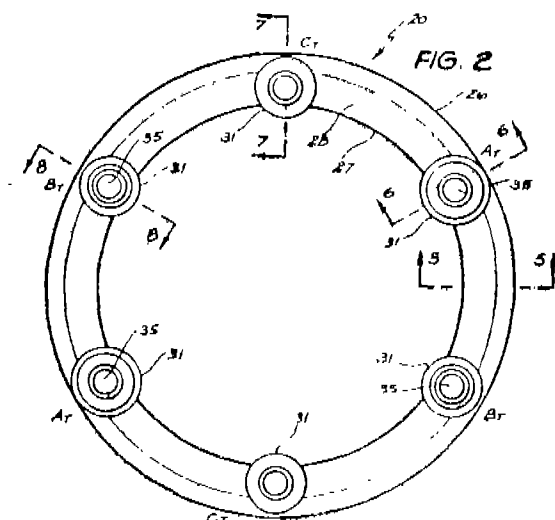
Application for patent No. 1123 DEL 86. Filed on 22 DEC 1986. Convention date JAN 7th 1986/PH 4119/AUSTRALIA.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

A bore screen for use in filtering fluids comprising a plurality of rings (20) stacked one upon another in face to face relationship, said rings (20) extending about a common longitudinal axis and being clamped together; each said ring (20) being provided with circumferentially spaced bearing pads (31, 32) on first and second opposite faces thereof; the bearing pads (31) on first face of successive rings (20) contacting respective ones (32) of the bearing pads of the second face of adjacent rings (20) said bearing pads (31, 32) spacing the rings (20) apart in the longitudinal direction; said bearing pads (31) on one said face of each said ring (20) having stepped projections (33) and said bearing pads on the opposite said face of each said ring having stepped recesses (34); said stepped projections (33) and said stepped recesses (34) of respective ones of said bearing pads being configured differently from said stepped projections (33) and stepped recesses (34) of other said bearing pads whereby spacing between adjacent said rings is changeable as one said ring (20) is rotated relative to another said ring (20) and different pairs of said bearing pads (31, 32) are brought into contact with one another said bearing pads (31) having said stepped projections (33) complementary to said bearing pads (32) having stepped recesses (34) whereby a portion of each said

bearing pad having a said stepped projection bears against a portion of the aligned said bearing pad having a said stepped recess.



(Complete specification pages 12.

Drawings 4)

Ind. Cl.: 106 & 107G.

170078

Int. Cl.: F02M 43/00.

AN INJECTOR APPARATUS FOR AN INTERNAL COMBUSTION ENGINE.

Applicant: SOCIETE D'ETUDES DE MACHINES THERMIQUES S.E.M.T. of 2 quai de Seine 93202 SAINT DENIS, FRANCE, a French body corporate.

Inventor: MICHEL BAGUENA.

Application for Patent No. 213 DEL 87 filed on 10 MAR 1987.

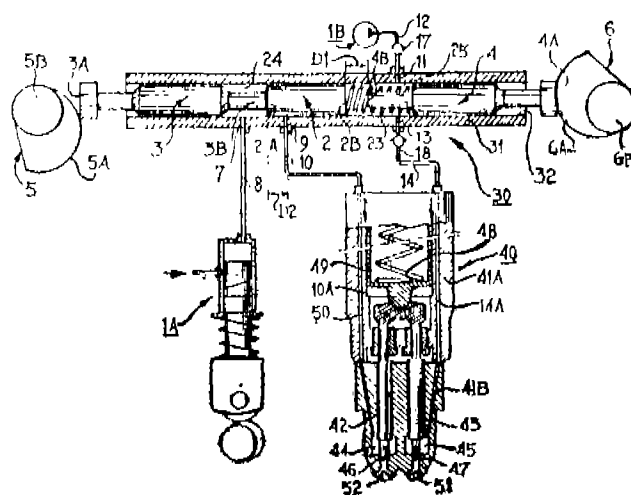
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

An injector apparatus for an internal combustion engine, the apparatus being capable of injecting two fuels, namely a "pilot injection/liquid fuel and a "main injection" gaseous fuel, the injector apparatus comprising a low-pressure pump (18) for pilot injection fuel feed, a high-pressure injection type pump (1A), two fuel injectors, and a metering pump (30) selectively connecting the low-pressure pump, the high-pressure pump, and the two fuel injectors, said metering pump (30) including a transfer piston (2) with one of its faces (24) delimiting an engine volume (24) in permanent connection with the high-pressure pump 1A) and with its other face (2B) delimiting a reception volume (25) in permanent connection with a duct leading to the low-pressure pump and with a duct leading to the pressure chamber (86) of the pilot injection needle (74). the engine volume (24) being connected with the pressure chamber (76) of the main injection needle via a first orifice (9) of the metering pump. the pressure in said main injection needle (75) and the metering pump comprising two independently-adjustable abutments (3, 4) each of which limits the stroke of said piston in a respective direction. characterised in that the transfer piston (2) controls said first orifice and that the metering pump comprises a second orifice (19) for communication with the engine volume (24), a third orifice (21) for communication with the reception volume a duct (20) interconnecting the second and the third orifices, with an extreme position of the engine volume abutment and an extreme position of the reception volume abutment allowing both volumes to conti-

nuously communicate via said second and third orifices (19, 21), the transfer piston then closing the first orifice (9) and preventing the engine volume (24) and the pressure chamber (76) of the main injection needle (75) from intercommunicating.

Fig-1



(Complete specification 12 pages.

Drawing sheets 3)

Ind. Cl.: 185 E.

170079

Int. Cl.: A23F 5/48 & 5/50.

PROCESS FOR THE PREPARATION OF A DRIED SOLUBLE COFFEE.

Applicant: GENERAL FOODS CORPORATION, a corporation organised and existing under the laws of the State of Delaware, located at 250 North Street, White Plains, New York, 10625, United States of America.

Inventor: MARTIN GOTTESMAN.

Application for Patent No. 193 DEL 88 filed on 11 MAR 1988.

Divisional to Application No. 761 DEL 85 filed on 17 SEPT 1985.

Ante-dated to 17 SEPT 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the preparation of a dried soluble coffee which comprises:

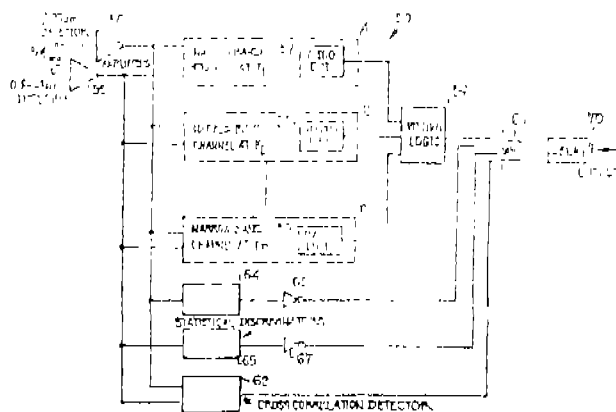
- slurrying spent coffee grounds in water so that the grounds are from 5% to 25% by weight of the slurry;
- adding an acid such as herein described to the slurry to adjust the pH to between 0.7 and 3.0;
- combining the pH adjusted slurry with a water-immiscible, oil solvent such as herein described herein at a volume ratio of from 1: 1 to 3: 1 oil solvent to slurry;
- dispersing the oil solvent in the pH adjusted slurry as finely divided droplets;
- heating the dispersion of (d) in a reactor to a temperature between 180°C and 240°C over a period of from 5 seconds to 60 seconds so as to hydrolyze the coffee grounds and extract the oil therefrom;
- removing in any known manner the coffee oil-containing oil solvent from the aqueous hydrolysate and hydrolyzed coffee grounds;

- (g) neutralizing in any conventional manner the aqueous hydrolysate before or after removing therefrom of the hydrolyzed coffee grounds;
- (h) mixing with the neutralised aqueous hydrolysate an aqueous soluble coffee extract; and
- (i) drying the mixture thus formed to produce a dried soluble coffee.

Complete specification 16 pages.

channels being responsive to short wavelength radiation in a preselected range.

Channel, said detector channel (54, 55) comprising a radiation detector.



Ind. Cl.: 8

170080

Int. Cl.: G08B 17/00.

A FIRE SENSING SYSTEM.

Applicant: SANTA BARBARA RESEARCH CENTRE, a corporation organised and existing under the laws of the State of California, U.S.A., having a principal place of business at 75 Coromar Drive, Goleta, State of California, United States of America.

Inventors: MARK THOMAS KERN & KENNETH ARTHUR SHAMORDOLA.

Application for Patent No. 415 DEL 89 filed on 12th MAY 1989.

Divisional to Application No. 684 DEL 86 filed on 28th JUL 1986.

Ante-dated to 28 JUL 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A fire sensing system comprising a pair or statistical discriminator circuits each circuit comprising a low pass filter (20) coupled to a radiation detector which is responsive to radiation in a preselected wavelength range peak detector means (24, 25) coupled to the output of said filter for detecting the peaks if the remaining signal components, processing means coupled to the peak detector means for processing the peak signals to develop respective estimated mean values and mean deviation values of the peak signals combining means (28, 29, 31) coupled to the processing means for combining said peak signals with said estimated mean values and mean deviation values to develop a signal spread level, and radiation modulation determining means (40) coupled to said processing means and to said combining means to receive said signal spread level and a corresponding mean deviation value for dividing the signal spread level with the mean deviation value to determine the radiation modulation, each statistical discriminator circuit (64, 65) being coupled to the output of a corresponding detector and associated amplifier, the radiation detector in a first of said channels being responsive to long wavelength radiation in the range of 7—25 microns and the radiation detector in the other of said 2—447 GI/91

Complete specification 34 pages

Drawing 11 sheets

Cl. 45C

170081

Int. Cl.: E03d 1/14, 3/12.

A FLUSHING CISTERN.

Applicant: ADHAR SAHIJRAM MIRCHANDANI, 17, CAMAC STREET, CALCUTTA-700017, WEST BENGAL, INDIA.

Inventor: ADHAR SAHIJRAM MIRCHANDANI.

Application No. 111/Cal/83 filed on 28th January 1983.

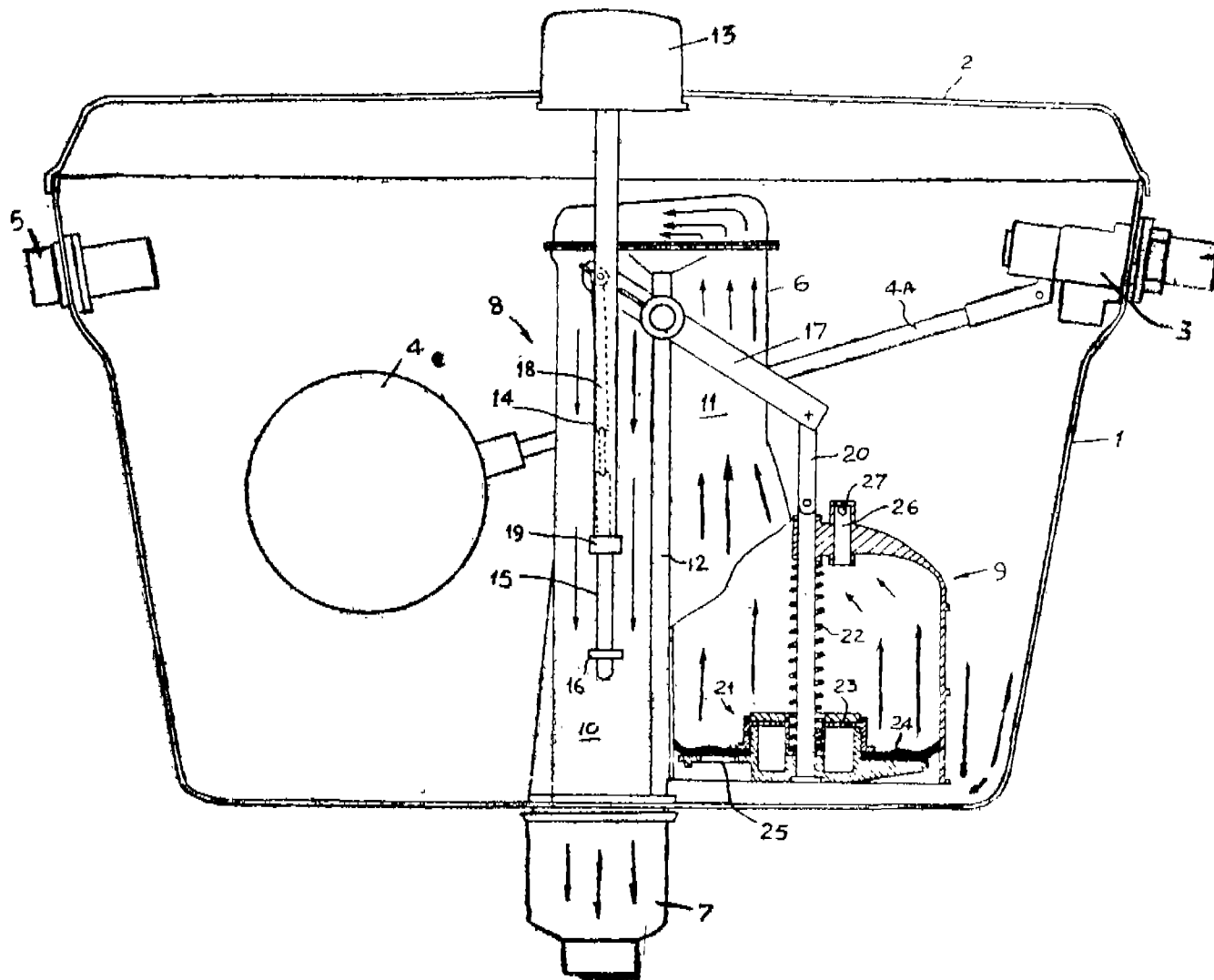
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A flushing cistern comprising a tank adapted to hold water, a cover provided with said tank, a push button provided with the cover of the said cistern, a water inlet fitment provided with the said tank connected to the water supply source, a float held to the said water inlet fitment by means of a rod controlling the level of water in the tank and automatically close and open the water inlet fitment for filling the tank, an overflow pipe fitted with the said tank, and means inside the tank for siphoning water out of the tank operationally connected to the said push button characterized in that said siphoning means is comprised of a siphon bell fitted within the said tank and having an outlet said siphon bell being L-shaped having a vertical portion and a dome shaped lower side portion, said vertical portion of siphon bell being divided internally into two chambers by means of a partition, said push button being connected to a first hollow rod adapted to telescopically slide on a further internal rod, said further rod being held to the siphon bell by means of a bush, a lever provided pivotally held to the said partition of the siphon bell one end of said lever connected to the lower end of said first rod of the push button by means of a chord while the other end of the said lever

being pivotally held to a linkage carrying a plunger assembly provided within said dome shaped portion of the siphon and a valve fitted at the top of said dome shaped portion such

that upon actuation of the said push button the said plunger assembly is adapted to move up and down within the said dome shaped portion of the siphon bell.



(Compl. Specn. 15 pages.

Drgs. 1 sheet)

Cl. 35G.

170082

Int. Cl.: B22c 1/00.

A CURABLE COMPOSITION ADAPTED TO PRODUCE A SHAPED BONDED PARTICULATE ARTICLE.

Applicant: AMERICAN CYANAMID COMPANY, WAYNE, NEW JERSEY, U.S.A. AND 4530 West, KRAUSE MILLING COMPANY, 109th STREET, P.O. BOX 7007, SHAWNEE MISSION, STATE OF KANSAS 66207, U.S.A.

Inventors: (1) ALBERT PETER PAUL, (2) RICHARD ADOLPH SZARZ and (3) ROGER JOHN CARD.

Application No. 793/Cal/1986 filed on 30th October 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A curable composition adapted to produce a shaped bonded particulate article, said composition comprising:

(i) a particulate material and, as a binder therefor,

(ii) a polyol comprising a hydrolyzed, gelatinized amylose material;

(iii) a crosslinker for said polyol (ii) comprising the reaction product of glyoxal, urea and formaldehyde, alone, or in further combination with ethylene glycol;

(iv) an acid catalyst; and

(v) a solvent for the binder, and

wherein particulate material (i) comprises 80%—99% by weight and said binder comprises from 1%—20% by weight, the amount of polyol (ii) in said binder comprising 20%—55%, the amount of crosslinker (iii) in said binder comprising 3%—60%, the amount of acid (iv) in said binder comprising 0.2%—10% and the amount of solvent (v) in said binder comprising 15%—85%, all percentages being by weight.

Compl. Specn. 26 pages.

Drgs. 1 sheet

Cl. 69

170083

Int. Cl. H01h 1/02.

A METHOD FOR THE MANUFACTURE AN IMPROVED CONTACT PIECE FOR VACUUM SWITCH-GEAR.

Applicant: SIEMENS AKTIENGESellschaft, WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventors: (1) HORST KIPPENBERG, (2) REINER MULLER, (3) HANNELORE SCHNODT, (4) IRMO PAULUS and (5) RUDIGER HESS.

Application No. 93/Cal/1987 filed on 30th January 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

18 Claims

A method of manufacturing an improved contact piece for vacuum switchgear having a switching surface wherein said contact piece comprises a base material body with an additive, as herein described, of a readily vaporizable element so as to produce a sufficiently conductive switching path upon circuit breaking, additive being present at least in the region of said contact piece near the switching surface and concentrated as intermetallic phases having a softening or melting point greater than the needed vacuum brazing temperature, said additive being concentrated only in a layer firmly adhered to and covering said switching surface of said base material body of said contact piece wherein said base material is a CuCr material having a volume percentage of from about 30% to about 60% Cr, and said additive comprises at least as one component said readily vaporizable element having a vapor pressure of more than about 1 mbs at 1000°C. and said method comprising placing said additive on the switching surface of said base material body of said contact piece and integrally adhering said additive onto said surface.

Compl. Specn. 15 pages.

Drgs. 1 sheet

Cl. 32A

170084

Int. Cl. C09b 27/00, 41/00, 45/00, 62/00.

A PROCESS FOR THE PREPARATION OF WATER-SOLUBLE, FIBER-REACTIVE MONOAZO DYES.

Applicant: HOECHST CELANESE CORPORATION, ROUTE 202-206, NORTH, SOMERVILLE, N.J. 08876, U.S.A.

Inventors: (1) GLENN A. THOMPSON, (2) ANTHONY J. CORSO and (3) HANS MELMUT STEUERNAGEL.

Application No. 838/Cal/1987 filed on 27th October 1987.

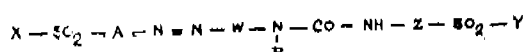
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A process for the preparation of a water-soluble, fibre-reactive monoazo dyes according to the general formula (1) of the accompanying drawing wherein:

No. 838/Cal/87

NAME: HOECHST CELANESE CORPORATION



Formula (1)

X and Y are independently selected from

vinyl, β -thiosulfatoethyl, β -bromoethyl, β -acetyloxyethyl, β -hydroxyethyl, β -phosphatoethyl, β -methyl-sulfonyloxyethyl, β -phenoxyethyl, β -sulfatoethyl, β -chloroethyl, β -phenoxylethyl, β -sulfatoethyl, β -chloroethyl, β -phenylsulfonyloxyethyl and a group of the formula- $\text{CH}_2\text{-CH}_2\text{-NR}^1$

R^2 , in which R^1 and R^2 are independently selected from hydrogen, lower alkyl and sulfo-substituted lower alkyl;

R is hydrogen, lower alkyl or sulfo-substituted lower alkyl,

A is a phenylene or naphthylene radical optionally substituted with hydroxy, halogen, lower alkyl, lower alkoxy, carboxy and/or sulfo;

W is a phenylene or naphthylene radical optionally substituted with carboxy, sulfo, amino, carbamoyl unsubstituted or mono- or disubstituted by lower alkyl, phenyl and/or phenyl- (lower alkyl), sulamoyl unsubstituted or mono- or disubstituted by lower alkyl, phenyl and/or phenyl (lower alkyl), lower alkyl, lower alkoxy, hydroxy or halogen, the hydroxy or amino group of which, if present, are bonded at W in the ortho- or para-position relative to the azo group;

Z is a phenylene radical optionally substituted with halogen, lower alkoxy and/or lower alkyl, which process comprises diazotizing at a pH of 0 to 2 and at a temperature between -5°C and 15°C and amino compound of the general formula (2) in which A and X are defined as above, and reacting at a temperature between 0 and 50°C and a pH between 2 and 8 the diazonium salt with a coupling compound of the general formula (3) in which W has one of the meanings of W as defined above and is mandatorily substituted by an amino or hydroxy group, and R, Z and Y are defined as above.

Compl. Specn. 39 pages.

Drgs. 5 sheets

Cl. 176C & E

170085

Int. Cl. F22B 35/00, 35/18.

APPARATUS FOR ECONOMICALLY DESPATCHING FUEL AND LOAD ASSIGNMENTS ON A MULTI-BOILER COGENERATIVE TYPE STEAM GENERATING PLANT.

Applicant: WESTINGHOUSE ELECTRIC CORPORATION, WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, U.S.A.

Inventors: (1) RICHARD EDWARD PUTMAN and (2) THOMAS ALLEN.

Application No. 224/Cal/1988 filed on 17th March, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

An apparatus for economically despatching fuel and load assignments on a multi-boiler cogenerative type steam generating plant, said economical despatching arrangement capable of firing each boiler with at least two fuels of allocating shares of a total steam load among the boilers, said economical despatching apparatus comprising:

means for determining a present value of the flow of each fuel to each of said boilers and storing each determined value;

means for determining present values of said shares of said total steam load allocated among said boilers which store a respective said determined share associated herewith;

means for calculating an optional value for each of said fuel and load assignment as a function of said present fuel flow values and present share values;

said calculating means including a means for estimating a proportionate share value on one of said boilers and a fuel flow value for one of said at least two fuels, said calculating means, by use of said estimating means, calculates said optional next values for each of said fuel and load assignments using a quantity of variables reduced in number relative to the quantity of said fuel and load assignments; and

means for implementing at least one of said optional next values into said multi-boiler cogenerative type steam generating plant in one of an automatic and a manual mode of operation.

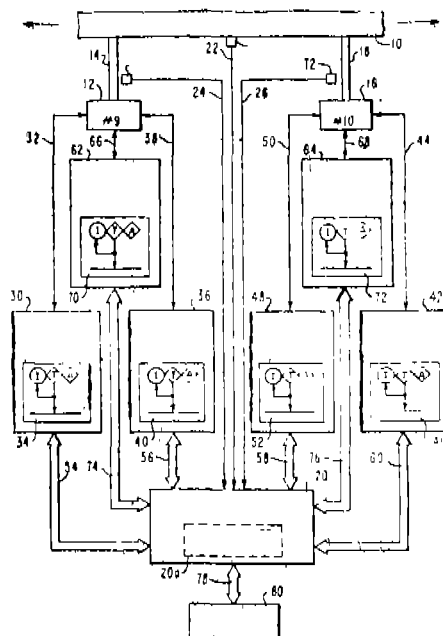


FIG. 1

	V_{10}	V_{20}	V_{30}	
	$V_{10} - \Delta_1$	$V_{20} - \Delta_2$	$V_{30} - \Delta_3$	
	$V_{10} + \Delta_1$	$V_{20} + \Delta_2$	$V_{30} + \Delta_3$	
	V_{10}	$V_{20} + 2\Delta_2$	$V_{30} - \Delta_3$	
	V_{10}	V_{20}	$V_{30} + 3\Delta_3$	
	V_{11}	V_{21}	V_{31}	
	$2 \cdot V_{11}$	$2 \cdot V_{21}$	$2 \cdot V_{31}$	
	$2 \cdot V_{11} - V_{1W}$	$2 \cdot V_{21} - V_{2W}$	$2 \cdot V_{31} - V_{3W}$	
	V_1	V_2	V_3	

FIG. 2

Compl. Specn. 34 pages.

Drgs. 6 sheets

Cl. 56B

170086

Int. Cl.: C10G 9/00.

A PROCESS AND APPARATUS FOR CRACKING HYDROCARBON FEED BY THE USE OF HEATED SOLIDS.

Applicant: STONE & WEBSTER ENGINEERING CORPORATION, 245 SUMMER STREET, BOSTON, MASSACHUSETTS 02107 U.S.A.

Inventors: (1) ROBERT JOHN GARTSIDE and (2) RICHARD COCHRAN NORTON.

Application No. 226/Cal/1988 filed on 17th March 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

26 Claims

A reactor for cracking hydrocarbons under usual cracking conditions using hot particulate solid materials comprising:

(a) offset orifices for delivery of particulate solids to the reactor;

(b) at least two hydrocarbon feed inlet nozzles located the reactor wall in the same plane;

(c) a centrally disposed plug member in the reactor for the particulate solids to flow around upon entry into the reactor, the bottom of which plug member is at the elevation at which the hydrocarbon feed nozzles are located; and

(d) a venturi shaped section between the solids orifices and the hydrocarbon feed inlets.

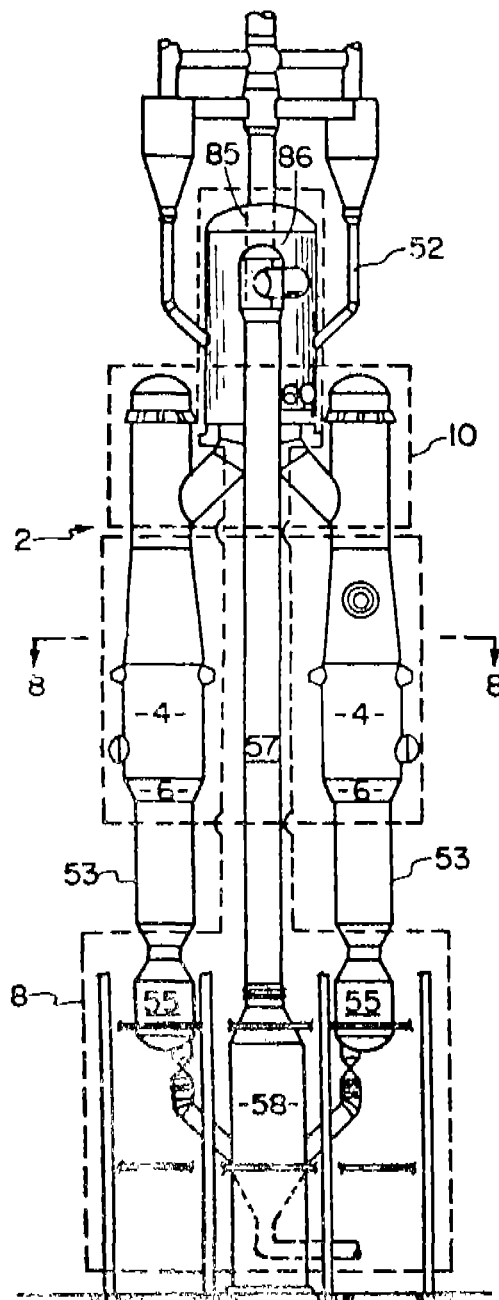


FIG. 1

Compl. Specn. 25 pages.

Drgs. 9 sheets

CL. 40F.

170087

Int. Cl.: B01L 1/00.

GAS LIQUID CONTACT APPARATUS IN THE FORM OF TOWER STRUCTURE.

Applicant: MURRAY INTERNATIONAL, INC., 425 WEST LA CADENA DRIVE, 4 RIVERSIDE, CALIFORNIA 92501, U.S.A.

Inventor: CHARLES LUCUIS RAYBON.

Application No. 228/Cal/1988 filed 17 March 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

34 Claims

A gas liquid contact apparatus in the form of tower structure comprising:

a chamber (12) including an inlet for the gas and an outlet (152) for the gas, the outlet being located above the inlet;

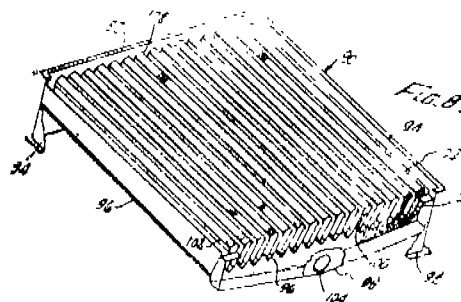
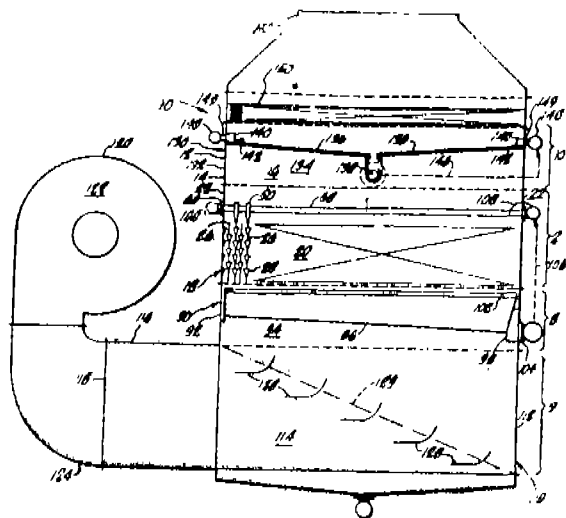
a plurality of spaced parallel wall members (26) in a first portion (20) of the chamber, facing surfaces of the wall members having a staggered array of deflector members (28) protruding therefrom in parallel relation for producing rolling turbulence in a flow of gas moving between the wall members;

the deflector members forming with the facing wall members a space in the form of a series of converging (32) and diverging (34) chamber portions, wherein the gas flows generally perpendicular to the deflectors;

each diverging chamber portion (34) has an inlet (34') formed by the space between the apex (40) and facing wall member (26) that is offset laterally toward one of the wall members, and the converging chamber portion that is fed directly by the diverging chamber portion has an outlet (32') that is offset laterally toward the other wall member; and

means (50) for feeding liquid to the surface of the wall members for countercurrent contact with the gas proximate the wall members;

Characterized in that the deflector members have first (36) and second (38) surfaces, the first surface defining one side of a converging chamber portion (32) the second surface defining one side of a diverging chamber portion (34), the first and second surfaces meeting at a deflector apex (40), the apex having an included angle (a) within the deflector member of less than 180 degrees.



Compl. Specn. 43 pages.

Drgs. 6 sheets

Cl. 98

170088

Int. Cl.: F03g 7/02.

POINT CONTACT SOLAR DEVICE AND PROCESS FOR MAKING SAME.

Applicant: TACTICAL FABs, INC., 3000 SCOTT BOULEVARD, SANTA CLARA, CA 95054, U.S.A.

Inventors: (1) DOUGLAS LEA PELTZER, (2) RICHARD LAWRENCE BECHTEL, (3) WEN CHUANG KO and (4) WILLIAM THOMAS LIGGETT.

Application No. 313/Cal/1988 filed 19 April 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

66 Claims

A point contact solar device comprising:

at least one semiconductive layer having a top surface a bottom surface and sides;

wells of p-conductivity type and n-conductivity type formed in said semiconductive layer in an alternating pattern, said wells extending to said bottom surface;

at least one insulating layer formed on said bottom surface of said semiconductive layer and patterned to expose surfaces of said wells of p-conductivity type and n-conductivity type;

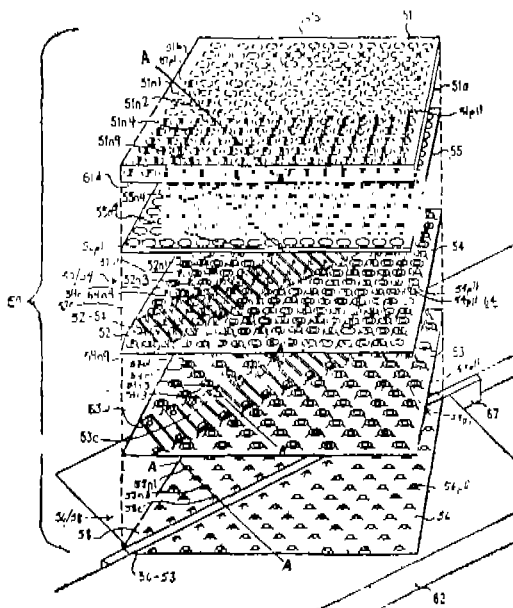
at least one conductive layer comprising at least two conductive regions formed on and in contact with said insulating layer, said regions comprising at least one positive conductive region and at least one negative conductive region, said at least one positive conductive region being patterned so as to contact only those of said wells of p-conductivity type located above said positive conductive region, and said at least one negative conductive region being patterned so as to contact only those of said wells of n-conductivity type located above said negative conductive region;

a pair of electrically separated bus bars each having a top surface, a bottom surface, and sides located side-by-side beneath said conductive layer, comprising one positive bus and one negative bus;

said positive bus extending beneath and being electrically separated from said at least one negative conductive region, and said negative bus extending beneath and being electrically separated from said at least one positive conductive region;

said conductive regions further comprising interleaved fingers with tips, the tips of said fingers of said at least one positive conductive region being located above and in electrical contact with said positive bus and the tips of said fingers of said at least one negative conductive region being located above and in electrical contact with said negative bus, and

means for electrically connecting those of said wells of p-conductivity type not electrically connected to said positive conductive region to portions of said positive bus bar located beneath said wells of p-conductivity type, and means for electrically connecting those of said wells of n-conductivity type not electrically connected to said negative conductive region to portions of said negative bus bar located beneath said wells of n-conductivity type.



Compl. Specn. 57 pages.

Drgs. 13 sheets

Cl.: 40-B

170089

Int. Cl. B01J 23/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF A COMPOSITE CATALYST HAVING COBALT OXIDE, MOLYBDENUM OXIDE AND ALUMINIUM OXIDE CATALYTIC SYSTEM USEFUL FOR HYDRODESULPHURISATION OF HYDROCARBONS.

Applicant: PROJECTS & DEVELOPMENT INDIA LIMITED, P.O. SINDRI, PIN 828122, DHANBAD, BIHAR, INDIA.

Inventors: (1) DR. PRAVIN KUMAR GOUR, (2) DR. SUDHAKAR PANDE, (3) SHRI SATYA NARAYAN UPADHYAY, (4) SHRI BHASKAR SEN and (5) SHRI KESHTO CHANDRA BANERJI.

Application No. 427/Cal/1988 filed 25 May, 1988.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

An improved process for the preparation of a composite catalyst useful for hydrodesulphurisation of hydrocarbons which comprises forming a deposit of oxides of cobalt, molybdenum and aluminium on a matrix such as alumina, characterized by the following steps:

(i) alumina gel is precipitated from a slurry thereof by adjusting the pH in the range of 6.5 to 7.0 and filtered to give a filtered material made of alumina having fast filtering properties;

(ii) the filtered material is converted into required shape of alumina support, such as rods in a known manner;

(iii) the alumina support prepared in step (ii) is soaked in a mixed solution of the catalyst comprising ammonium paramolybdate and ammonium cobaltous diamino molybdate;

(iv) the soaked material is then dried at temperature about 100°C to remove water and the dried material is cured at 400°C to 500°C or more to obtain a final matrix loaded with the catalyst.

Compl. Specn. 24 pages.

Drgs. NIL

Cl.: 32F₂C

170090

Int. Cl. C07C 67/00, 69/36.

METHOD FOR THE PREPARATION OF DIALKYL-OXALACETATES.

Applicant: AMERICAN CYANAMID COMPANY, TOWNSHIP OF WAYNE, STATE OF NEW JERSEY, U.S.A.

Inventor: DONALD ROY MAULDING.

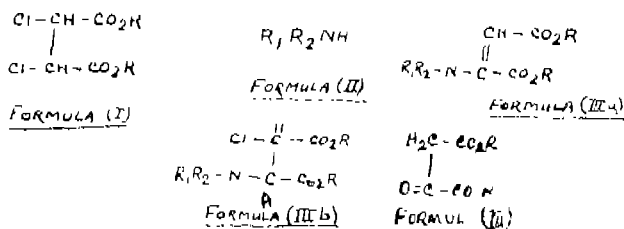
Application No. 106/Cal/90 filed 5th February 1990.

Divisional out of No. 477/Cal/87 Antc dated to 18 June 1987.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

A method for the preparation of dialkyl-oxalacetates having the formula III as shown in the accompanying drawings, said method comprising: reacting a dichlorosuccinate of Formula I wherein R is C₁-C₄ alkyl, with a minimum of 3 molar equivalents of an amine or formula II wherein R₁ and R₂ are each H or C₁-C₆ alkyl, with the proviso that only one of R₁ or R₂ is H; or when taken together R₁ and R₂ with the nitrogen atom to which they are attached form a 5 or 6 membered ring containing at most 2 heteroatoms, in an inert solvent at a temperature of about 25°C to reflux for about one (1) to 24 hours; and further reacting the resulting mixture of formula IIIa alkylaminomalate or alkylaminofumarate and formula IIIb chloroaminosuccinate wherein R, R₁ and R₂ are as hereinabove described for formula I and formula II, with aqueous acid.



Compl. Specn. 18 pages.

Drgs. 5 sheets

Ind. Class.: 10-F—[GROUP-XXXIX(2)]

170091

Int. Cl.: F 42 B 13/32.

A CYLINDRICAL METAL CONTAINER INTENDED FOR TRANSPORT BY A ROTATING PROJECTILE BODY.

Applicant: EUROMETAAL N.V., OF NO. 2 HEMKADE, 1506 PR ZAANDAM, THE NETHERLANDS, DUTCH NATIONALITY.

Inventor: WILHELMUS JOHANNES DE VREEDE.

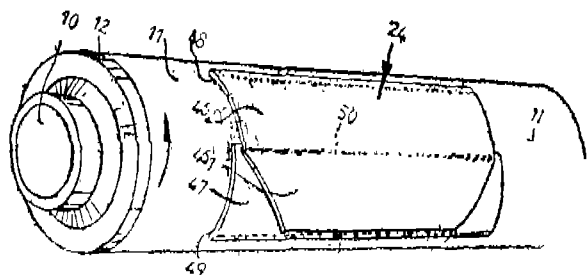
Application No. 586/MAS/85 filed July 29, 1985.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

A cylindrical metal container intended for transport by a rotating projectile body, ejection from the projectile body followed by despinning by means of at least two despinning flaps disposed on its cylindrical outer wall, characterised in that each despinning flap (24) has the form of a vane consisting at least partially of two layers (46, 47; 56, 57), which

vane in its state prior to ejection lies like a skin around the said outer wall, is secured to said outer wall along two longitudinal strips (48, 49; 58, 59) parallel to the cylinder axis of the containers, and the two layers (46, 47; 56, 57) of which are secured to one another along a longitudinal strip (50; 6) parallel to and situated between said longitudinal strips (48, 49; 58, 59), in such a manner that the outer layer (46; 56) on one side of intermediate longitudinal strip (50; 60) bears freely on the inner layer (47; 57) and after ejection assumes a radial position (46; 56) by bending along the intermediate longitudinal strip (50; 60).



(Com.—22 pages;

Drwgs.—3 sheets)

Ind. Class: 81 & 195-B—[GROUP-XXXIX(4) & XXIX(3)]

Int. Cl.⁴: F 16 K 31/44.

A QUICK-ACTING VALVE.

Applicant: MAROTTA SCIENTIFIC CONTROLS, INC.,
A CORPORATION OF THE STATE OF NEW JERSEY,
U.S.A., OF 1500 BOONTON AVENUE, BOONTON, NEW
JERSEY 07005, U.S.A.

Inventor: SLAWOMIR KOWALSKI.

Application No. 880/MAS/85 filed November 4, 1985.

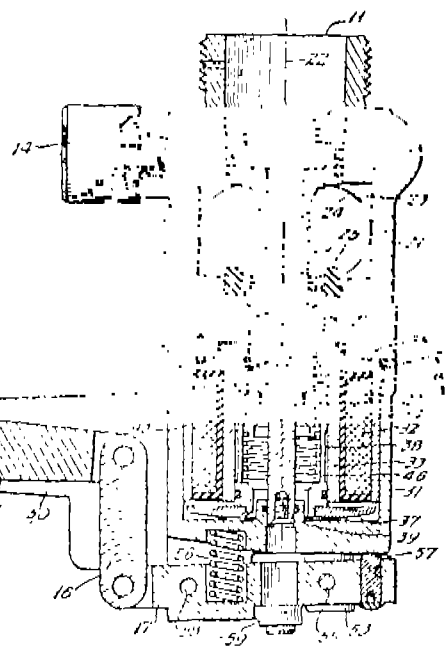
Additional to Patent No. 159106 of December 3, 1983.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A quick-acting valve having a body and a valve member and stem movably guided by a bore of said body between valve-closed and valve-open positions, means for applying loading force between said body and said valve member for continuously loading said valve member and stem in the direction from the closed to the open position, and mechanical-latch means positively retaining said valve member and stem in said closed position and against loaded displacement to said open position, said latch means comprising a collect with fingers providing body-referenced restraint against such displacement at angularly spaced locations symmetrical about the axis of said bore, and latch-release means having an axially shiftable cylindrical actuating sleeve element surrounding said fingers and guided by the axis of said bore and simultaneously operable to release said latch means at all said angularly spaced positions, said sleeve element having a bore with two axially spaced radially inwardly projecting cylindrical lands, and said fingers having two axially spaced radially outwardly projecting feet which radially abut said lands in the engaged condition of said latch means, said latch means being released upon sleeve displacement of said lands axially away from foot-to-land radial-abutting relation,

the improvement comprising that the said latch-release means comprises a squib mounted to said body for imparting an axial shift to said actuating sleeve element.



(Com. 16 pages;

Drwgs. 4 sheets)

Ind. Cl.: 87 E [GROUP XLII (4)]

170093

Int. Cl.⁴: A 63 B 71/06.

NEW APPARATUS FOR MEASURING DISTANCES FOR JUMPS IN ATHLETICS.

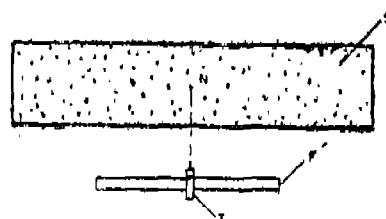
Applicant & Inventor: SREENIVAS RAO KOLAPALLI,
Indian, Chief Draftsman, S.C. Railway, H. No. 6-1-132/11,
Skandagiri, Padmaranagar, Secunderabad-500 361.

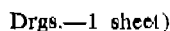
Application No. 837/MAS/86 filed on 27th October 1986.

Appropriate office for opposition proceedings (Rule 4,
Patent Rules, 1972) Patent Office Branch, Madras.

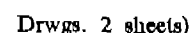
2 Claims

An apparatus for measuring distances for jumps in athletic events comprising a rectangular metal frame having at least one beam with a measuring tape centrally mounted thereon and having a trolley with wheels moving on the channel mounted on the said beam, the said trolley being provided with a telescope and a plumb-bob, the said plumb-bob being attached to the frame of the telescope perpendicular to the rectangular metal frame; the arrangement being such that when the telescope is moved by the trolley on the channels, the plumb-bob indicates the measurement on the measuring tape.



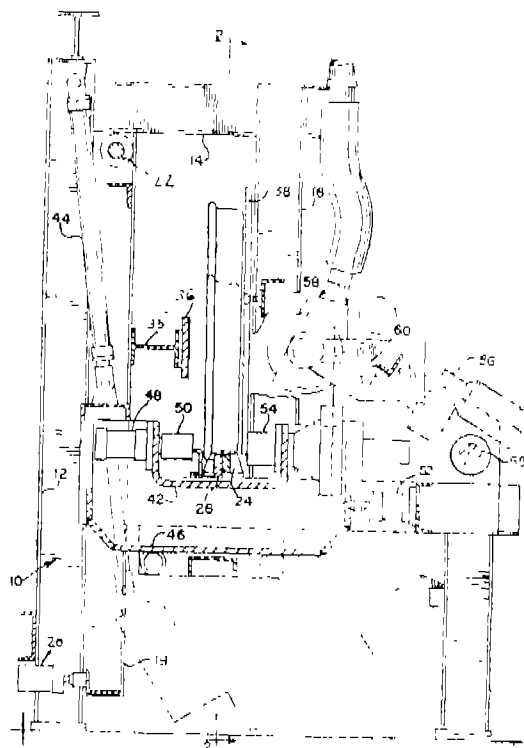


A device for initializing seismic data acquisition apparatus distributed along a seismic profile to be explored, each adapted for collecting signals supplied by sensors, processing them and recording them and, on a command from a central laboratory, transferring thereto the signals collected over a given transmission channel under the control of a programmable processing member, characterised in that it comprises a first control unit having a transmission element adapted for transmitting infrared rays modulated by initialization signals to be transmitted, a reception element adapted for demodulating infrared light signals and a programmable processing member provided with interface circuits between the processing member and the transmission and reception elements, and a plurality of secondary units associated respectively with the different acquisition apparatus each having a transmission element adapted for transmitting modulated infrared signals, an element for receiving the initialization signals, coming from the first control unit and interface circuits for connecting the transmission element and the reception element of the secondary unit to the programmable processing member of said acquisition apparatus.



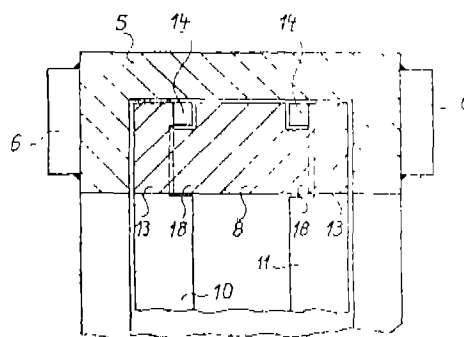
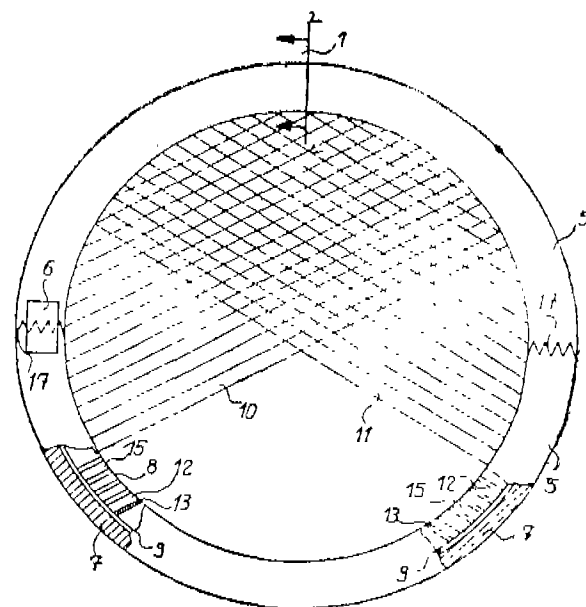
wherein said secondary frame with said grinding means, said hardness testing means and said clamping cylinder are

mounted to rotate about said single pivot axis, and said grinding means and said hardness testing means are mounted at a preselected angle to each other.



(Com. 11 pages;

Drwgs 2 sheets)



(Com. 10 pages;

Drwgs. 2 sheets)

Ind. Class : 176-I & I—[GROUP-XLV(4)]

170096

Int. Cl.: F 28 F 1/00.

TUBE SPACING GRID.

Applicant : MAH GUTEHOFFNUNGSHUTTE GMBH.
A GERMAN CORPORATION, OF BAHNHOFSTR., 66,
4200, OBERHAUSEN 11, WEST GERMANY.

Inventor: REINHOLD BECKER.

Application No. 646/Mas/87 filed September 7, 1987.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A tube spacing grid for the guidance of tubes in vapor generator, comprising an outer ring with an inner wall having an encircling groove, a single piece inner ring in said groove having an interior planar face with a plurality of grid rods receiving slots, a plurality of inter-secting grid rods having respective ends and associated receiving slots, said inner ring and said rods having inter engaging tongue and groove portions at their associated engaged ends said outer ring being of at least two inter-engaged parts.

3-447 GI/91

Ind. Class : 205-G&H—[GROUP—LVII]

170097

Int. Cl.: B60C 19/00.

METHOD AND APPARATUS OF MANUFACTURING A TIRE.

Applicant : MICHELIN & CIE (COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN) OF 4 RUE DU TERRAIL, 63000 CLERMONT-FERRAND, FRANCE, A FRENCH COMPANY.

Inventor: DANIEL LAURENT.

Application No. 663/MAS/87 filed September 10, 1987.

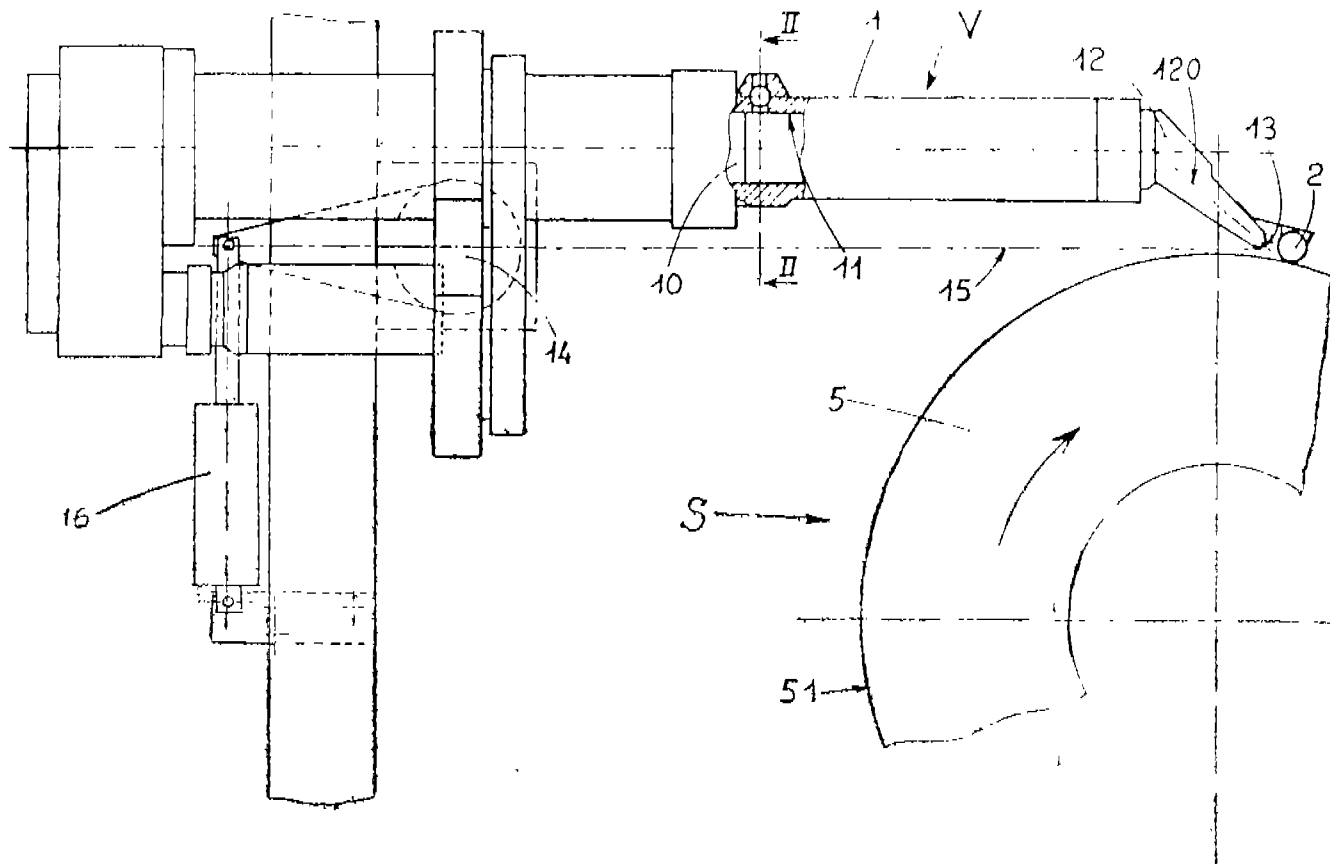
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A method of manufacturing a tire comprising the steps of laying rubber products such as herein described and reinforcement elements for progressively building a blank of the said tire on a firm rotatable support, bonding the rubber products on a rotating surface by discharging a controlled volume of said rubber products from a chamber through an outlet orifice of at least one volumetric extruder by controlled volume displacement of the said extruder relative to the said chamber by positioning the said outlet orifice of the said chamber adjacent to said rotatable support, laying down the said rubber products continuously on the said rotating surface, directly bonding the said stream of extruded material on the said blank of the tire with a width substantially

narrower than the surface of the said blank by rotating the said support successively, progressively building the said blank controlling the volume of the extrusion in relation with the rotation of said rotatable support, controlling the amount of the said rubber products by keeping a predetermined volume of extrusion on each location along the sur-

face of the said rotating surface where the rubber products are being laid by the said volumetric extruder in relation with the rotation of the said rotatable support and the radius of laying, to obtain a profile of the said tire to be produced by substantial meridian displacement of the said outlet orifice with respect to the rotation of the said laying surface.



(Com. 16 pages;

Drwgs. 3 sheets)

Ind. Class : 71-A—[GROUP-XXVIII(1)].

170098

Int. Cl.⁴ : E 21 C 37/00.

A METHOD FOR PREPARING AN IN SITU SETTABLE AND EXPANDABLE COMPOSITION FOR BREAKING ROCK.

Applicant : IDL CHEMICALS LIMITED (INBRI DIVISION) P.O. BAG 397, MALLESWARAM, BANGALORE-560 003, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF INDIA.

Inventors : (1) Ms. KALPANA SADANAND TELANG, (2) Dr. ARSHAD AHMED, (3) Mr. RAJAGOPALAN VEDAM and (4) Dr. ERODE GANAPATHY MAHADEVAN.

Application and Provisional Specification No. 666/MAS/87 filed September 14, 1987.

Complete Specification left : August 22, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims (No drawing)

A method for preparing an in situ settable and expandable composition for use in breaking rocks which comprises.

(a) Preparing a solid composition, by admixing (a) 10 to 50% by weight of free calcium oxide and (b) 50 to 90% by weight of hydraulic setting compounds selected from :—

(i) bicalcium silicate or tricalcium silicate compounds or (ii) plaster of paris or (iii) calcium hydroxide or (iv) any

mixture thereof, said compounds (i), (ii) or (iii) optionally having fillers such as silica flyash or sand followed by (b) preparing a water slurry of pourable consistency from said solid composition.

(Prov.—6 pages;)

(Com.—9 pages;)

Ind. Class : 65-A—[LVII(2)]

170099

Int. Cl.⁴ : H 02 M 7/04.

A STATIC CONVERTER APPARATUS.

Applicant : MERLIN GERIN, A FRENCH COMPANY OF RUE HENRI TARZE, F 38100 GRENOBLE CEDEX, FRANCE.

Inventors : (1) JEAN-NOEL FIORINA and (2) HERVE DENIS.

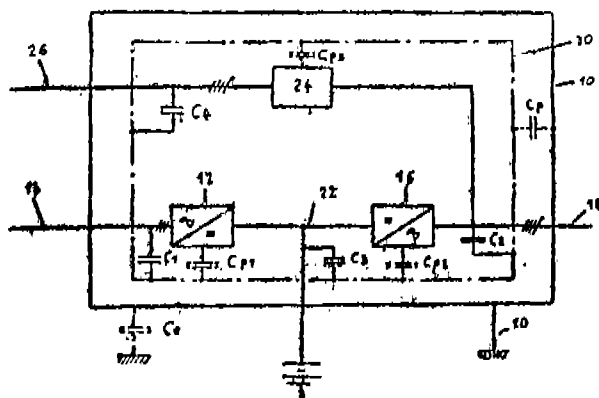
Application No. 787/MAS/87 filed October 30, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A static converter apparatus, comprising : external housing connected to a ground for housing said static converter; a plurality of inputs connected through said external housing to said static converter, at least one of said plurality of inputs connected to a power main and at least another of said

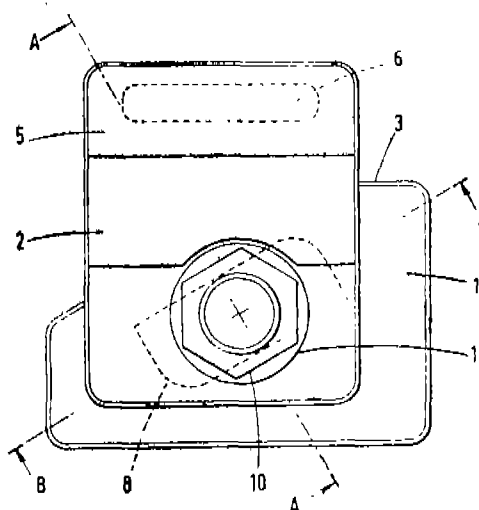
plurality of inputs connected to a battery; and at least one output from said static converter connected through said external housing to a user device; wherein a protective filter is located inside said converter for protecting against high-frequency disturbances, said filter containing an internal reference plane electrically insulated from said housing and functioning as a ground plane for components within said converter; and a plurality of filtering capacitors, one connected between said power main input and said filter one between said battery input and said filter and one between said filter and said output.



(Com. 9 pages;

Drwgs. 2 sheets)

a direction perpendicular to the inclined surface of the second part and thus inclined with respect to the vertical.



(Com. 9 pages;

Drwgs. 2 sheets)

Ind. Cl.: 201 C.

Int. Cl.⁴: C02F 1/10.

A PROCESS FOR PRODUCING A SLUDGE SUITABLE FOR THE USE IN PURIFICATION OF RAW WATER FROM SEWAGE OR INDUSTRIAL EFFLUENTS.

Applicant and Inventors : SUDHENDU KUMAR BISWAS of YZ-23, Sarojini Nagar, New Delhi-110023 and ABUL FAIZ SYED ABDUL AOWAL of 1650, Gulabi Bagh, Delhi-110007, India, both Indian Nationals.

Application for Patent No. 41 DEL 1986 filed on 15 JAN 1986.

Complete Specification left on 15 JUL 1987.

Post-dated to 15 JUL 1986.

Appropriate office for opposition proceeding (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A process for producing a sludge suitable for the use in the purification of raw water from sewage or industrial effluents which comprises in reducing the pile of sludge, obtained from sewage or industrial wastes, to a pH 1-1 by adding thereto 1 N or 3N of an acid such as sulphuric acid.

(Provisional Specification 18 pages).

(Complete Specification 20 pages).

Ind. Cl.: 40B 188.

170102

Int. Cl.⁴: C23C 16/40.

METHOD OF PRODUCING TRANSPARENT HAZE-FREE TIN OXIDE COATING ON A SUBSTRATE SUCH AS GLASS.

Applicant : M & T CHEMICALS INC., of One Woodbridge Center Woodbridge, New Jersey 07095 United States of America.

Inventor : GEORG HEINRICH LINDNER.

Ind. Class : 157-D6(c)—[GROUP-L]

170100

Int. Cl.⁴: E 01 B 11/00.

RAIL CLIP ASSEMBLY.

Applicant : GIL INTERNATIONAL LIMITED, OF BUTTERFIELD HOUSE, P.O. BOX 219, GEORGE TOWN, GRAND CAYMAN, A BRITISH COMPANY.

Inventor : IAN MCGREGOR MARCHANT.

Application No. 872/Mas/87 filed December 3, 1987.

Convention date : December 17, 1986; (No. 8630068; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A rail clip assembly for securing a rail to a rail support surface, comprising a first part adapted to be attached to the rail support surface adjacent the rail, a second part overlying the first part and having a lateral surface for abutment with a lateral face of the rail, and fixing means for fixing the second part to the first part independently of attachment of the first part to the rail support surface, wherein the parts have aligned apertures therethrough through which the fixing means extends, one of the apertures being elongate to enable the second part to assume different positions relative to the first part, the elongate aperture extending in a direction inclined at an acute angle to the longitudinal direction of the rail, the first and second parts having cooperating laterally directed surfaces which are abutted in all relative positions of the parts for transmitting to the first part laterally directed forces applied to the second part by the rail, the said laterally extending surfaces extending parallel to the direction of extent of the elongate aperture, the first part having parallel upper and lower surfaces, the second part having an upper surface which, adjacent the aperture, is inclined to the horizontal away from the direction of approach of the cooperating laterally directed surfaces to the rail, and the fixing means extending through the apertures in

Application for Patent No. 384/DEL/86 filed on 29th April 1986.

(CLAIMS-9)

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Branch, New Delhi-5.

4 Claims

A method for producing a transparent, haze-free tin oxide coating on a substrate such as glass which comprises vaporizing monophenyltin trichloride and contacting said vapor in an oxygen-containing atmosphere with said substrate at an elevated substrate temperature as herein defined.

(Complete Specification 12 pages.

Drawgs 1 sheet)

Ind. Cl.: 83A,

170103

Int. Cl.: A21C 3/04.

AN IMPROVED METHOD FOR THE MANUFACTURE BY EXTRUSION OF EXTRUDED FOODSTUFFS WITHOUT EVAPORATIVE LOSS OF THE FAT, FLAVOURING OR AROMATIC CONTENT OF THE FOODSTUFFS BEING EXTRUDED.

Applicant: HEINZ SCHAAF NAHRUNGSMITTEL-EXTRUSTECHNIK of Quellenweg 14-19a 6277 Bad Camberg-Oberselters, West Germany, a company organised and existing under the laws of the Federal Republic of Germany.

Inventor: HEINZ-JOSEF SCHAAF.

Application for Patent No. 400 DEL 86 filed on 02 MAY 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

An improved method for the manufacture by extrusion of extruded foodstuffs without evaporative loss of the fat, flavouring or aromatic content of the foodstuffs being extruded which comprises forming a dough-like mixture of carbohydrates, protein, fats and aromatic substances with water or other liquid, forcing said dough under pressure and at a temperature higher than the evaporation temperature of the liquid in said dough through said nozzle, said dough expanding on emergence through said nozzle with a consequent tendency for evaporation of the liquid content thereof, characterised in that there is created in any known manner about the opening of said nozzle a zone of reduced pressure and said foodstuff product is extruded thereinto where-by expansion of the extrudate takes place but evaporation of its liquid content is prevented.

(Complete Specification 7 pages.

Drawing sheet i)

Ind. Cl.: 83 A3 & 83 B5.

170104

Int. Cl.: A23L 1/31.

A PROCESS FOR PREPARING A MEAT ANALOGUE, FROM VEGETABLE PROTEIN.

Applicant: INTERNATIONAL FOODS CORPORATION FORMERLY KNOWN AS MYOPLEX INTERNATIONAL CORPORATION 6, NEW ENGLAND EXECUTIVE PARK BURLINGTON MA 01803, U. S. A.

Inventor: GUY D. T. NGUYEN.

Application for Patent No. 882/DEL/86 filed on 3rd October, 1986.

Appropriate office for opposition proceedings (Rule No. 4 Patent Office Branch, New Delhi-5).

A process for preparing a meat analogue, from vegetable proteins comprising the steps of:

Preparing a mixture of vegetable protein of at least 10% vital wheat gluten on dry weight basis and the balance protein derived from other vegetable sources as described herein and adding thereto water in an amount between 25% to 65% by weight of the total mixed ingredients;

heating said mixture to about the boiling point of the water of said mixture;

further heating said mixture to expand in three dimensions so that the volume of the mixture is increased by at least 35% in excess of the original volume; and

orienting the mixture by forcing the expanded mixture wardly in two dimensions while allowing free movement in the third dimension to affect a reduction in cross-sectional area by at least 25% of the original cross-sectional area.

(COMPLETE SPECIFICATION -38 PAGES DRAWING 16 SHEETS)

Ind. Cl.: 134A, C, 158D & 160A.

Int. Cl.: B62D 55/00 & 55/075.

AN ARTICULATED VEHICLE.

Applicant & Inventor: THE SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND, a British-Corporation Sole of Whitehall, London SW1A 2HB, England.

Application for Patent No. 949/DEL/86 filed on 28th October 1986.

Convention date October 29th/1985/8526602/U.K.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972). Patent office Branch, New Delhi-110005.

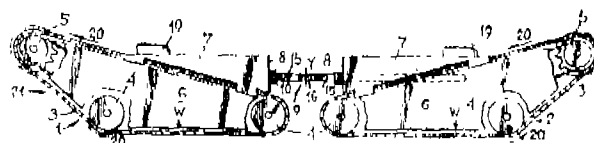
7 Claims

An articulated vehicle comprising.

two separate vehicle units (1,2) each provided with a single full width independently drivable track (3)

an articulation mechanism interconnecting the two vehicle units (1, 2) in tandem arrangement, the said mechanism including a yaw pivot (16) enabling relative rotation of the two vehicle units about a yaw axis (Y) through the yaw pivot said axis being substantially vertical and offset from the centre lines of the two vehicles units when the vehicle is on flat horizontal ground and

steering means for controlling the said relative rotation of the vehicle units about the yaw axis by the application of a velocity differential between the two tracks.



(COMPLETE SPECIFICATION-11 PAGES DRAWING-ONE SHEETS)

Ind. Cl.: 85G.

170106

Int. Cl.: C21D 9/70.

AN IMPROVED CERAMIC FIBRE SEAL FOR SOAKING PITS.

Applicant: STEEL AUTHORITY OF INDIA LTD., RESEARCH & DEVELOPMENT CENTRE FOR IRON AND STEEL, having its Registered Office at Ispat Bhavan, Lodhi Road, New Delhi-110003, India, (a Govt. of India Enterprise).

Inventors: RAJINDER SINGH DAHIYA, MAHADEO, TAPAN KUMAR PAL, ANUP KUMAR BHATTACHARYA & AJAY KUMAR DASGUPTA.

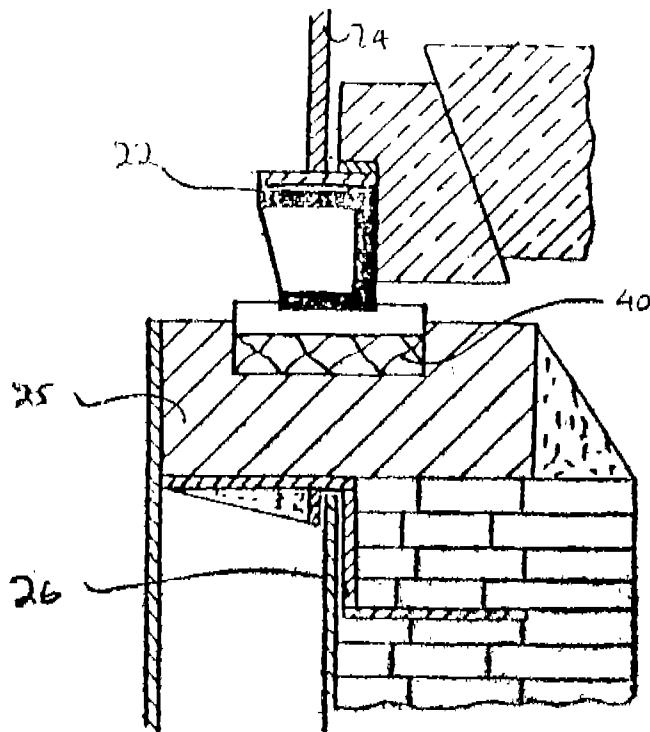
Application for Patent No. 1095/DEL/86 filed on 12th December 1986.

Complete Specification left on 29th February, 1988.

Appropriate office for opposition proceedings (Rule 4 Patent Rule 1972) Patent office Branch, New Delhi-5

(CLAIMS-11)

An improved ceramic fibre seal for soaking pits of an integrated steel plan which comprises a U-shaped refractory curb block (25), a flat sealing casting (22) and a layer of ceramic fibre and refractory bricks (40), said curb block being laid in alignment on the top of the pit wall to match the pit cover, said casting being attached to said pit cover and has face of said casting being embedded inside said layer of ceramic fibre.



(PROVISIONAL SPECIFICATION-11 PAGES)

DRAWING-3 SHEETS)

(COMPLETE SPECIFICATION-16 PAGES)

Ind. Cl.: 170A.

170107

Int. Cl.: C11D 1/00.

A LIQUID DETERGENT COMPOSITION FOR SIMULTANEOUSLY CLEANING AND SOFTENING FABRICS.

Applicant: COLGATE-PALMOLIVE COMPANY, of 300 Park Avenue, New York, New York 10022, U.S.A., a corporation organised under the laws of the State of Delaware, U.S.A.

Inventor: HEIDRUN ELKE MAASER.

Application for Patent No. 53 DEL 1987 filed on 27 JAN 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(CLAIMS-14)

A liquid detergent composition for simultaneously cleaning and softening fabrics comprising four essential ingredients, 1 to 30% by weight of an alkyl glycoside to improve detergent efficacy and softening properties in the presence of 2 to 8% by weight of a quaternary ammonium softening compound such as herein described, 8 to 25% by weight of anionic surfactant such as herein described and 1 to 12% by weight of nonionic surfactant such as herein described in an aqueous carrier such as herein described.

(COMPLETE SPECIFICATION 23 PAGES)

Ind. Cl.: 32A.

170108

Int. Cl.: C07C 91/00.

A PROCESS FOR PREPARING AMINO COMPOUND.

Applicant: BAYER AKTIENGESellschaft, a body corporate organised under the laws of the Federal Republic of Germany, of Leverkusen, Bayerwerk Federal Republic of Germany.

Inventors: HORST JAGER, WOLFGANG HARMS AND KARL JOSEF HERD.

Application for Patent No. 629 DEL 87 filed on 23 JUL 1987.

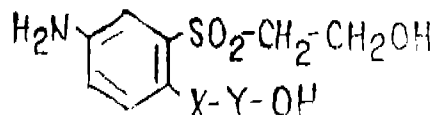
Divisional to Application No. 11 DEL 1985 filed on 08 JAN 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

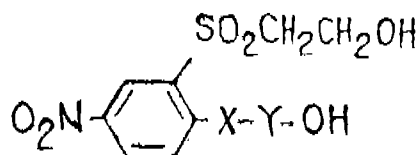
A process for preparing an amino compound for formula V of the drawings

Formula V



wherein $\text{X}=\text{NR}_3$, O or S, $\text{R}_3=\text{H}$ or optionally substituted C_1-C_4 -alkyl; such as herein described $\text{Y}=\text{C}_2-\text{C}_6$ -alkylene which is optionally substituted or interrupted in the alkylene chain by hereto atoms, characterised in that the nitro group in nitro compounds of the formula X of the drawings.

Formula X



wherein X and Y are defined above is reduced to an amino group with customary reducing agents for aromatic nitro groups.

(Compl. Specn. 20 pages.

Drawing 10 sheets)

Ind. Cl.: 92 D.

170109

Int. Cl.: A23B 9/00.

IMPROVED SEED-COATING COMPOSITION.

Applicant: SOLVAY & CIE, A BELGIAN COMPANY, OF 55, RUE DU PRINCE ALBERT, B-1050 BRUSSELS, BELGIUM.

Inventors: IGNACE GAGO & RENE DETROZ.

Application for Patent No. 912/Del/87 filed on 19th October 1987.

Divisional to Application No. 937/Del/84 filed on 12th December 1984.

Appropriate office for opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Branch, New Delhi-5.

16 Claims

A seed-coating composition which is resistant to embrittlement and dry crumbling and strongly adherent to the seeds which comprises an admixture of from 0.1% to 70% by weight of a polyester such as herein described, the melting point of which does not exceed 80°C, and the balance one or more non-phytotoxic additives of the kind herein described.

Compl. Specn. 16 pages

Drawing Nil

Ind. Cl.: 188

170110

Int. Cl.: C23C 16/40.

METHOD OF PRODUCING TRANSPARENT, HAZE-FREE TIN OXIDE COATINGS ON A SUBSTRATE.

Applicant: M & T CHEMICALS, INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF ONE WOODBRIDGE CENTER, WOODBRIDGE, NEW JERSEY 07095, UNITED STATES OF AMERICA.

Inventor: GEORG HEINRICH LINDNER.

Application for Patent No. 1121/Del/88 filed on 19th December 1988.

Divisional to Application No. 384/Del/86 filed on 29th April 1986.

Appropriate office for opposition proceedings (Rule 4 Patent Rule 1972) Patent Office Branch, New Delhi-5.

Antedated to 29th April 1986.

5 Claims

A method for producing a transparent, haze-free tin oxide coating on a substrate such as hereinbefore described which comprises vaporizing monophenyltin trichloride and contacting said vapor in an oxygen-containing atmosphere with said substrate at an elevated substrate temperature as herein defined to form an undercoat and thereafter depositing by any conventional method such as hereinbefore defined said tin oxide coating thereon, whereby the tin oxide overcoat assumes the haze-free characteristics of said undercoat.

(Compl. Specn. 14 pages.

Drawing 1 sheet)

OPPOSITION PROCEEDINGS UNDER SECTION 25

The Opposition entered by M/s. Raj Industries to the grant of a Patent on Application No. 163963 made by Suresh Chander Suri as notified in the Gazette of India, Part III, Section 2 dated 6th July 1989 has been allowed and the Application for Patent No. 163963 has been refused.

The Opposition entered by Vikram Forgings & Allied Industries Private Limited to the grant of a Patent on Application No. 164989 made by Trade & Industry Private Limited as notified in the Gazette of India, Part III, Section 2 dated 3rd February, 1990 has been dismissed and it is ordered that the Complete Specification shall be amended as shown in the annexure and the final order regarding the status of the instant application shall be deferred till the decision of the another opposition pending thereof.

The Opposition entered by Research, Designs & Standard Organisation to the grant of a Patent on Application No. 167700 made by Vossion-Werke GmbH as notified in the Gazette of India, Part III, Section 2 dated 22nd June 1991 has been treated as abandoned and it is ordered that the Application for Patent No. 167700 shall be sealed with some amendments in the specifications.

Refusal Under Section—15

Application for Patent & Date. Name of the Applicant and Result

107/Mas-89, Dated 10th February 1989—Astra Research Centre India—Refused vide order dated 11th December 1991 of Asstt. Controller of Patents & Designs, Patent Office Branch, Madras.

53/Mas-90, dated 18th January 1990—Astra Research Centre India—Refused vide order dated 13th December 1991 of Asstt. Controller of Patents & Designs, Patent Office Branch, Madras.

PATENTS SEALED

152433 159985 163204 166741 167139 167140 167547 167592
167593 167624 167626 167627 167643 167644 167772 167847
167860 167876 167889 167890 167896 167900 167912 167918
167919 167930 167931 167933 167936 167938 167939 167958
167959 167968 167970 167976 168010 168020 168050 168095
168096 168097 168098 168099 168120 168124 168130 168136
168140 168193 168214 168216 168218 168219 168223 168224
168227 168241 168245 168251 168261 168262 168263 168268
168269 168270 168271 168273 168277 168278 168281 168284
168285.

Cal—30

Dcl—21

Mas—14

Bom—08.

REGISTRATION OF ASSIGNMENTS LICENCES ETC. (PATENTS)

Assignments, Licences or other transactions affecting the interests of the, Original Patentees have been registered in the following case. The number of each case is followed by the names of the Parties claiming interests.

156346—Tube Investments of India Limited.

RENEWAL FEES PAID

149827 149997 150074 150105 150229 150499 150716 150767
150769 151050 151445 151456 151681 151842 151945 151961
152023 152147 152292 152704 152922 153034 153110 153215
153345 153410 153615 153663 153732 153738 153740 154099
154138 154155 154526 154540 154807 154817 154890 155577
155578 155625 155686 155956 156005 156010 156143 156483

156677 156875 157019 157052 157403 157433 157465 157572
 157681 157722 157855 158128 158607 158947 158949 159198
 159223 159236 159237 159267 159609 159610 159871 159874
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 160986 161242 161254 161381 161408 161721 161726 161746
 161983 162154 162158 162262 162342 162400 162564 162619
 162750 162812 162823 162839 162861 162986 163004 163013
 163014 163080 163087 163130 163142 163191 163194 163195
 163228 163294 163310 163311 163341 163353 163359 163361
 163362 163363 163371 163404 163426 163545 163573 163602
 163858 163965 164200 164259 164293 164331 164369 164473
 164668 164729 164891 164893 164919 165281 165321 165386
 165469 165488 165596 165607 165669 165693 165825 165941
 165942 165943 165944 165949 166027 166032 166051 166052
 166176 166179 166191 166236 166237 166239 166262 166265
 166494 166495 166503 166506 166525 166561 166577 166622
 166644 166646 166647 166648 166697 166708 166841 166843
 166844 166891 166931 167053 167054 167091 167095 167100
 167122 167141 167142 167148 167149 167150 167174 167179
 167192 167198 167211 167212 167215 167236 167254 167262
 167283 167287 167288 167311 167321 167322 167323 167340
 167368 167384 167404 167405 167406 167431 167433 167436
 167438 167782 169259.

AMENDMENT PROCEEDINGS UNDER SECTION-57

The amendments proposed by KSB Aktiengesellschaft of Johann-Klein-Strasse in respect of application for Patent No. 166705 as advertised in part III, Section 2 of the Gazette of India dated the 22nd December 1990 have been allowed.

CESSATION OF PATENTS

154545 154546 154548 154550 154551 154553 154554 154566
 154567 154568 154570 154576 154580 154581 154583 154586
 154587 154588 154590 154595 154602 154603 154605 154607
 154608 154613 154617 154619 154621 154623 154630 154632
 154633 154635 154637 154538 154648 154652 154653 154654
 154658 154659 154660 154661 154662 154667 154668 154671
 154676 154677 154678 154680 154683 154684 154691 154692
 154697 154698 154699 154701 154706 154707 154712 154713
 154714 154717 154719 154720 154723 154731 154733 154734
 154735 154739 154745 154751 154755 154756 154761 154763
 154765 154766 154768 154773 154774 154775 154781 154782
 154783 154787 154788 154791 154800 154801 154803 154804
 154806 154809 154812 154813 154818 154823 154826 154827.

CESSATION OF PATENTS

161471 162293 165212 166711 16 842.

REGISTRATION OF ASSIGNMENTS, LICENCES ETC.
(DESIGN)

Assignments, licences or other transaction affecting the interest of the original proprietors have been registered in the following cases. The number of each case is followed by the names of the applicants for registration :

Nos. and Name	
155372	Sunil Charla,
161619	Trading as Ambitious Brands,
161094	4, Malkaganj,
161001	Delhi-110007.
160815	India, Indian National.
160099	

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of the registration of the design included in the entry.

Class 1. No. 163260. Raju Joseph of Managing Partner of J.J.M. Tyre Equipments, P.B. No. 7119, Pēriyār Nagar, Coimbatore-641045, Tamil Nadu, India, an Indian National. "Precured Tread Re-builder". May 27, 1991.

Class 1. No. 163261. Raju Joseph of Managing Partner of J.J.M. Tyre Equipments, P.B. No. 7119, Pēriyār Nagar, Coimbatore-641045, Tamil Nadu, India, an Indian National. "Inspection use in retreading tyres". May 27, 1991.

Class 1. No. 163262. Raju Joseph of Managing Partner of J.J.M. Tyre Equipments, P.B. No. 7119, Pēriyār Nagar, Coimbatore-641045, Tamil Nadu, India, an Indian National. "Tyre Buffing Machine". May 27, 1991.

Class 1. Nos. 163310 to 163312. The Jay Engineering Works Limited of 23, Kasturba Gandhi Marg, New Delhi-110001, India. "Sewing Machine". June 12, 1991.

Class 3. No. 163288. Weston Electronics Limited, Okhla Industrial Estate, New Delhi-110020, India, an Indian Company. "Cabinet of Television". June 5, 1991.

Class 3. No. 163303. L. V. Sham Cottage Industries, 2292/2, Inside Gate Hakimnagar, Amritsar-143001, Punjab, India, Indian Partnership Firm. "Torch". June 10, 1991.

Class 3. No. 163502. Jagatjit Industries Limited, Indian Company, 5th floor, Bhandari House, 91-Nehru Place, New Delhi-110019, India. "Jar". August 6, 1991.

Class 3. No. 163524. Freemans Measures Ltd., Indian Co., Ferozepore Road, Ludhiana-141001, Punjab, India. "Knife". August 16, 1991.

Class 5. No. 163286. Haresh Mehta, Jayant House, Bail Bazar, Andheri-Kurla Road, Bombay-400070, Maharashtra, India, Indian National. "Display". June 5, 1991.

R. A. ACHARYA
 Controller General of Patents, Designs and
 Trade Marks

प्रबन्धक, भारत सरकार मद्रासालय, फरीदाबाद द्वारा मद्रिस्त

एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1992

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